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|---------------------------------------------------------|-----------|---------------|---------------|---------------|---------|---------------------|--|
| Task/Abbreviation: I-11011-001- -(M)UW HULL (DD) - INSP |           |               |               | MJC: EXECM001 |         | Rev Date: 2/19/2009 |  |
| RCM Analysis:                                           |           | Scheduled: Y  | Sit Reqs: D/D |               | Qty: 1  | Removal Required:   |  |
| Lvl of Maint: 1                                         | Freq: 129 | Equip/Task: 1 | Matl Cost:    | ManDays: 64   | Alt No: |                     |  |
| Referenced Authority:                                   |           | Repair Pool:  |               | MCC: 2        |         |                     |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-11011-001)NSTM REQUIREMENT DUE | IAW NSTM CH-997, PARA. 997-4.1, ACCOMPLISH A VISUAL INSPECTION OF THE UNDERWATER BODY AND APPENDAGES WHILE THE SHIP IS IN DRYDOCK AND REPORT CONDITIONS FOUND TO THE NSA. NOTE: 1. ACCOMPLISH FIRST INSPECTION WITHIN 24 HOURS OF DRYDOCKING AND AFTER HIGH PRESSURE WATER CLEANING OF THE HULL. 2. TO BE ACCOMPLISHED IN CONJUNCTION WITH THE INSPECTION OF THE IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM (TASK I-63321-002). 3. SUPSHIP UTILIZE SWT 110-01, UNDERWATER HULL INSPECTION AND REPAIR, FOR GUIDANCE IN DEVELOPING THIS ITEM. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-11011-002-A-UW HULL (IN WTR) - INSP**MJC:** EXECI392**Rev Date:** 3/6/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-11011-002)THE UNDERWATER HULL INCLUDING  
APPENDAGES (WATERBORNE) REQUIRES  
INSPECTIONACCOMPLISH A WATERBORNE UNDERWATER HULL INSPECTION -  
FROM BOOT TOP (PORT/STARBOARD) TO SHIP'S CENTERLINE (KEEL)  
AND FROM STEM TO STERN. REPORT CONDITIONS FOUND TO THE  
SHIP'S CSMP. NOTE: THE UNDERWATER INSPECTION OF THE  
IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM IS  
INCLUDED IN THIS INSPECTION. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| <b>Task/Abbreviation:</b> Q-11011-003- -UW HULL (IN WTR) - CLN |  |                     |  | <b>MJC:</b> EXECQ001 |  | <b>Rev Date:</b> 2/19/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                         |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 32       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                   |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                  |
| BASELINE       | (Q-11011-003)UNDERWATER HULL REQUIRES CLEANING | ACCOMPLISH A WATERBORNE UNDERWATER HULL CLEANING PER CONDITION ASSESSMENT RECOMMENDATIONS. NOTE: UNDERWATER HULL CLEANING OF ABLATIVE PAINT SYSTEMS REQUIRES NAVSEA APPROVAL. |

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| Task/Abbreviation: Q-11011-004- -UW HULL (DD) - RPR |         |               |                  | MJC: EXECQ002 |         | Rev Date: 2/20/2009 |  |
| RCM Analysis:                                       |         | Scheduled: N  | Sit Reqs: D/D    |               | Qty: 1  | Removal Required:   |  |
| Lvl of Maint: 1                                     | Freq: 0 | Equip/Task: 1 | Matl Cost: 2,000 | ManDays: 40   | Alt No: |                     |  |
| Referenced Authority:                               |         | Repair Pool:  |                  | MCC: 2        |         |                     |  |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-11011-004)UNDERWATER BODY REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS TO THE UNDERWATER BODY PER CONDITION ASSESSMENT RECOMMENDATIONS (AS APPLICABLE): A. CLAD WELD _20_ SQUARE FEET. B. VEE OUT AND REWELD _20_ FEET OF WASTED SEAMS. C. CROP AND INSERT _20_ SQUARE FEET OF DISTORTED AND/OR WASTED PLATE AND CASTING. D. REPAIR AND/OR REPLACE FAIRING PIECES. E. PROVIDE _50_ MANDAYS AND 1,500_ DOLLARS OF MATERIAL TO ACOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: SUPSHIP UTILIZE SWI/SWT 110-01, UNDERWATER HULL INSPECTION AND REPAIR, FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| Task/Abbreviation: I-11011-008- -PROP STRUT (DD) - NDT INSP |  |              |  | MJC: EXECIFB0 |  | Rev Date: 5/10/2005 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs: D/D |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 100      |  | ManDays: 11       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-11011-008)THE PROPELLER SHAFT STRUTS REQUIRE NONDESTRUCTIVE TESTING | ACCOMPLISH NONDESTRUCTIVE TESTING OF THE PROPELLER SHAFT STRUTS AT SELECTED AREAS. PROVIDE _50___ NDT READINGS AS DESIGNATED. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-11011-009- -BLG KL/SKEG/ST FLAP (DD)-INSP |  |              |               | MJC: EXECM143  |             | Rev Date: 5/8/2008 |                   |  |
| RCM Analysis:                                                  |  | Scheduled: Y | Sit Reqs: D/D |                | Qty: TBD    |                    | Removal Required: |  |
| Lvl of Maint: 1                                                |  | Freq: 129    | Equip/Task: 1 | Matl Cost: 960 | ManDays: 32 |                    | Alt No:           |  |
| Referenced Authority:                                          |  |              | Repair Pool:  |                | MCC: 2      |                    |                   |  |

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| Reason:  | Problem Description:               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-11011-009) NSTM REQUIREMENT DUE | IAW NSTM CH-997, PARA. 997-4.1, VISUALLY INSPECT BILGE KEELS AND SKEGS AND AIR TEST PRIOR TO REFILL/DRAIN WITH PRESERVATIVE. PRESERVE INTERNAL SURFACES BY FILLING AND DRAINING WITH CORROSION COMPOUND (NSTM-9880). REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-11011-010- -BILGE KEEL - RPR**MJC:** EXECQE06**Rev Date:** 3/9/2009**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 0**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-11011-010)BILGE KEEL REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE BILGE KEEL PER  
CONDITION ASSESSMENT RECOMMENDATIONS: A. RESTORE \_\_SQ.  
FT. OF COATING. B. REPAIR WELDS. C. REPAIR/REPLACE PLATING.  
D. REPLACE/TIGHTEN PLUGS. E. REPAIR DAMAGE CAUSING  
FLOODED CONDITION. F. REPLACE FASTENERS. G. REPLACE  
ANODE. DIVERS INSPECTION REPORT AVAILABLE AT  
WWW.\_\_\_\_\_.COM (REFERENCE JOB NUMBER\_\_\_\_\_).

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**Task/Abbreviation:** I-11011-019- -THIN HULL (DD) - INSP**MJC:** EXECI391**Rev Date:** 5/17/2007**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** 1**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** **ManDays:** 40 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 2**Reason:**

BASELINE

**Problem Description:**(I-11011-019)HULL REQUIRES VISUAL INSPECTION  
IN DRYDOCK**Recommended Solution:**ACCOMPLISH AN INTERIOR AND EXTERIOR VISUAL THIN HULL  
INSPECTION ( INCLUDING INTERIOR HULL SUPPORTING  
STRUCTURES ). INACCESSIBLE AREAS AND SUSPECT AREAS  
SHOULD BE ULTRASONICALLY TEST INSPECTED. PROVIDE \_\_\_\_ NDT  
READINGS AS DESIGNATED. REPORT CONDITIONS FOUND TO THE  
NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.



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**Task/Abbreviation:** Q-11011-044- -UW HULL PENETRATIONS - RPR**MJC:** EXECQE01**Rev Date:** 3/9/2009**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 0**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-11011-044)UNDERWATER HULL PENETRATIONS  
REQUIRE REPAIRACCOMPLISH THE FOLLOWING REPAIRS TO THE UNDERWATER  
HULL PENETRATIONS PER CONDITION ASSESSMENT  
RECOMMENDATIONS: A. REPAIR SURFACES. B. REPAIR WELDS. C.  
REPAIR WELDS. D. REPLACE/TIGHTEN FASTENERS. E. REMOVE  
FOULING. F. REPLACE SPLITTER BARS/GRATINGS. G. REPLACE  
WASTER SLEEVE. H. REPLACE ANODE. I. REPLACE COVER PLATE.  
DIVERS INSPECTION REPORT AVAILABLE AT WWW.\_\_\_\_\_.COM  
(REFERENCE JOB NUMBER\_\_\_\_\_).

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| Task/Abbreviation: Q-11011-045- -UW HULL COATING - RPR |  |              |  | MJC: EXECQE03 |  | Rev Date: 3/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs: D/D |  | Qty: 1             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                                             |
| BASELINE | (Q-11011-045)UNDERWATER HULL COATING REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE UNDERWATER HULL COATING PER CONDITION ASSESSMENT RECOMMENDATIONS:<br>A. RESTORE __SQ. FT. OF COATING. B. REPLACE FAIRING COMPOUND. C. REMOVE BIOFOULING. DIVERS INSPECTION REPORT AVAILABLE AT WWW._____.COM (REFERENCE JOB NUMBER_____). |

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**Task/Abbreviation:** Q-11011-046- -PROP STRUTS & BEARINGS - RPR**MJC:** EXECQE05**Rev Date:** 3/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 0**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-11011-046)PROP STRUTS AND BEARINGS  
REQUIRE REPAIRACCOMPLISH THE FOLLOWING REPAIRS TO THE PROP STRUTS AND  
BEARINGS PER CONDITION ASSESSMENT RECOMMENDATIONS: A.  
REMOVE FOULING. B. RESTORE \_\_ SQ. FT. OF COATING. C.  
REPLACE CLEAN OUT PLUGS. D. REPLACE/TIGHTEN FASTENERS. E.  
REPAIR WELD. F. REPAIR FAIRING. G. REPLACE FAIRING. H.  
REPAIR/REPLACE ROPEGUARD. I. REPLACE/TIGHTEN FILL PLUG. J.  
REPLACE/TIGHTEN VENT PLUG. K. REMOVE DEBRIS AND INSPECT  
FOR DAMAGE. L. REPLACE ANODES. M. REPLACE STAVES. N.  
ROD/WATER LANCE COOLING CHANNELS. O. SUBMIT ALIGNMENT  
MEASUREMENTS FOR EVALUATION. DIVERS INSPECTION REPORT  
AVAILABLE AT WWW.\_\_\_\_\_.COM (REFERENCE JOB  
NUMBER\_\_\_\_\_).

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| <b>Task/Abbreviation:</b> Q-11011-047- -UW HULL CONDITION - RPR |  |                     |  | <b>MJC:</b> EXECQE27 |  | <b>Rev Date:</b> 3/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 0        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                               | <b>Recommended Solution:</b>                                                                                                                                                                                                                                            |
| BASELINE       | (Q-11011-047)UNDERWATER HULL CONDITION<br>REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE UNDERWATER<br>HULL CONDITION PER CONDITION ASSESSMENT<br>RECOMMENDATIONS: A. RESTORE __SQ. FT. OF COATING. B.<br>REPAIR/REPLACE PLATING. DIVERS INSPECTION REPORT<br>AVAILABLE AT WWW._____.COM (REFERENCE JOB<br>NUMBER_____). |

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**Task/Abbreviation:** I-11021-018- -STRUCTURE SYS (HS) - MRC G1N6**MJC:** EXECIHD9**Rev Date:** 4/4/2008**RCM Analysis:** 10/2/2007**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 36**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**

(I-11021-018) THE STRUCTURE SYSTEMS  
CORROSION PRONE COMPARTMENT AREAS  
REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE STRUCTURE SYSTEMS CORROSION ASSESSMENT  
IN ACCORDANCE WITH MRC G1N6 AS FOLLOWS: 1. CONDUCT  
ASSESSMENT PROCEDURE FOR CORROSION OF STRUCTURAL  
SYSTEM (CORROSION PRONE COMPARTMENT AREAS - HOT SPOTS).  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-11021-021- -STRUCTURE SYS (WS) - MRC G1N6**MJC:** EXECIII2**Rev Date:** 4/28/2009**RCM Analysis:** 10/2/2007**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 48**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**

(I-11021-021) THE STRUCTURE SYSTEMS  
CORROSION PRONE COMPARTMENT AREAS  
REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE STRUCTURE SYSTEMS ASSESSMENT IN  
ACCORDANCE WITH MRC G1N6 AS FOLLOWS: 1. CONDUCT  
ASSESSMENT PROCEDURE FOR CORROSION OF STRUCTURAL  
SYSTEM (CORROSION PRONE COMPARTMENT AREAS - WET  
SPACES). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.

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| <b>Task/Abbreviation:</b> I-11021-024- -SHELL/SPRT STRUCT - INSP |  |                     |  | <b>MJC:</b> EXECIJ06 |  | <b>Rev Date:</b> 4/29/2010 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 40       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE       | (I-11021-24)SHELL AND SUPPORTING STRUCTURE REQUIRES VISUAL INSPECTION. | ACCOMPLISH AN INTERIOR AND EXTERIOR VISUAL INSPECTION OF THE SHELL AND SUPPORTING STRUCTURES. INACCESSIBLE AREAS AND SUSPECT AREAS SHOULD BE ULTRASONICALLY TEST INSPECTED. PROVIDE NDT READINGS AS DESIGNATED. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-11021-025- -CMMR SURVEY - ACCOMP |  |              |  | MJC: EXECIJ86 |  | Rev Date: 12/1/2010 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs: D/D |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays:          |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-11021-25)SHIP REQUIRES THE CORROSION MODERNIZATION AND MAINTENANCE REDUCTION (CMMR) SURVEY. | ACCOMPLISH THE CORROSION MODERNIZATION AND MAINTENANCE REDUCTION (CMMR) SURVEY PRIOR TO MIDLIFE OR MAJOR AVAILABILITIES. NSWCCD PHILADELPHIA POC IS MR. T.J. MCKELVEY, THOMAS.J.MCKELVEY AT NAVY.MIL, 215-897-1867. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: Q-12311-001-B-FO STOR TK - GAS FREE |                                                                                                                                                                                                                            |               | MJC: EXECQAM0                                                                                                                                                                                                                                          |             | Rev Date: 4/22/2009 |                   |
| RCM Analysis:                                          |                                                                                                                                                                                                                            | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                                              |             | Qty: 48             | Removal Required: |
| Lvl of Maint: 1                                        | Freq: 120                                                                                                                                                                                                                  | Equip/Task: 1 | Matl Cost: 2,100                                                                                                                                                                                                                                       | ManDays: 20 | Alt No:             |                   |
| Referenced Authority:                                  |                                                                                                                                                                                                                            | Repair Pool:  |                                                                                                                                                                                                                                                        | MCC: 2      |                     |                   |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:500530,MA:2900 |                                                                                                                                                                                                                            |               |                                                                                                                                                                                                                                                        |             |                     |                   |
| Reason:                                                | Problem Description:                                                                                                                                                                                                       |               | Recommended Solution:                                                                                                                                                                                                                                  |             |                     |                   |
| BASELINE                                               | (Q-12311-001)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. |               | OPEN, CLEAN, AND GAS FREE THE FUEL OIL STORAGE OR FO/BALLAST TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |             |                     |                   |

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**Task/Abbreviation:** Q-12311-003-A-FO STOR TK - RPR**MJC:** EXECQ005**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 48**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12311-003)TANK REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE FUEL OIL STORAGE TANK. TO INCLUDE: A. CLEAN THE TANK. B. REMOVE \_\_\_ SQ FT OF PEELING, CRACKED AND BLISTERED PAINT DOWN TO GOOD SOLID BARE METAL. THE AREAS OF THE TANK WITH NO COATING SHOULD BE LEFT IN AN UNPAINTED CONDITION. C. REPLACE \_\_\_\_\_ FEET DETERIORATED SOUNDING TUBES. D. REPLACE \_\_\_\_\_ STRIKER PLATES. E. CLAD WELD \_\_\_\_\_ SQUARE FEET OF WASTED PLATE. F. VEE OUT AND REWELD \_\_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. G. CROP AND REPLACE \_\_\_\_\_ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. H. REMOVE AND REINSTALL \_\_\_\_\_ TONS OF BALLAST. I. AIR TEST AFTER STRUCTURAL REPAIRS. J. PROVIDE \_\_\_\_\_ MANDAYS AND \_\_\_\_\_ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER AN ASSOCIATED TLI SYSTEM REPAIR TASK IS NOT ACCOMPLISHED CONCURRENTLY.

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| Task/Abbreviation: Q-12311-005-B-FO COMPSG/EXP TK - GAS FREE |              |               | MJC: EXECQAL9  |                   | Rev Date: 11/25/2008 |
| RCM Analysis:                                                | Scheduled: Y | Sit Reqs:     | Qty: 30        | Removal Required: |                      |
| Lvl of Maint: 1                                              | Freq: 72     | Equip/Task: 1 | Matl Cost: 750 | ManDays: 15       | Alt No:              |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 2         |                   |                      |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:500600,MA:2900       |              |               |                |                   |                      |

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| Reason:  | Problem Description:                                                                                                                                                                                                                                     | Recommended Solution:                                                                                                                                                                                                                                 |
| BASELINE | (Q-12311-005)COMPENSATING FUEL OIL STORAGE TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | OPEN, CLEAN, AND GAS FREE THE COMPENSATING FUEL OIL STORAGE TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |

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**Task/Abbreviation:** Q-12311-007-A-FO COMPSG/EXP TK - RPR**MJC:** EXECQ007**Rev Date:** 7/30/2007**RCM Analysis:**                      **Scheduled:** N                      **Sit Reqs:****Qty:** 32**Removal Required:****Lvl of Maint:** 1                      **Freq:** 0                      **Equip/Task:** 1                      **Matl Cost:** 750                      **ManDays:** 10                      **Alt No:****Referenced Authority:**                      **Repair Pool:**                      **MCC:** 2**Reason:**                      **Problem Description:**  
BASELINE                      (Q-12311-007)TANK REQUIRES REPAIR**Recommended Solution:**

ACCOMPLISH THE FOLLOWING REPAIRS TO THE COMPENSATING FUEL OIL STORAGE TANK, INCLUDING OVERFLOW/EXPANSION TANK(S). TO INCLUDE: A. REPAIR \_\_\_\_ SQUARE FEET OF COATING SYSTEM USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. B. REPLACE \_\_\_\_ FEET DETERIORATED SOUNDING TUBES C. REPLACE \_\_\_\_ STRIKER PLATES. D. CLAD WELD \_\_\_\_ SQUARE FEET OF WASTED PLATE. E. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. F. CROP AND REPLACE \_\_\_\_ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. G. REMOVE AND REINSTALL \_\_\_\_ TONS OF BALLAST. H. REPLACE \_\_\_\_ DETERIORATED OR MISSING ANODES & HDW. I. PROVIDE \_\_\_\_ MANDAYS AND \_\_\_\_ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. I. AIR TEST AFTER STRUCTURAL REPAIRS. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER AN ASSOCIATED TLI SYSTEM REPAIR TASK IS NOT ACCOMPLISHED CONCURRENTLY.

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| <b>Task/Abbreviation:</b> Q-12311-013-B-FO SVCE TK - GAS FREE |  |                                                                                                                                                                                                                            |  | <b>MJC:</b> EXECQAL7 |  | <b>Rev Date:</b> 11/25/2008                                                                                                                                                                                                              |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> Y                                                                                                                                                                                                        |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 6                                                                                                                                                                                                                            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 120                                                                                                                                                                                                           |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 2,100                                                                                                                                                                                                                  |  | <b>ManDays:</b> 22       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                                                                                                                                                                                                                            |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                          |  | <b>MCC:</b> 2            |  |                |  |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:500601,MA:2900        |  |                                                                                                                                                                                                                            |  |                      |  |                                                                                                                                                                                                                                          |  |                          |  |                |  |
| <b>Reason:</b>                                                |  | <b>Problem Description:</b>                                                                                                                                                                                                |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                             |  |                          |  |                |  |
| BASELINE                                                      |  | (Q-12311-013)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. |  |                      |  | OPEN, CLEAN, AND GAS FREE THE FUEL OIL SERVICE TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |  |                          |  |                |  |

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**Task/Abbreviation:** Q-12311-015-A-FO SVCE TK - RPR**MJC:** EXECQ012**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 6**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12311-015)TANK REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE FUEL OIL SERVICE TANK. TO INCLUDE: A. CLEAN THE FUEL OIL SERVICE TANK. REMOVE \_\_\_ SQ FT OF PEELING, CRACKED AND BLISTERED PAINT DOWN TO GOOD SOLID BARE METAL. THE AREAS OF THE TANK WITH NO COATING SHOULD BE LEFT IN AN UNPAINTED CONDITION. B. REPLACE \_\_\_\_\_ FEET DETERIORATED SOUNDING TUBES. C. REPLACE \_\_\_\_\_ STRIKER PLATES. D. CLAD WELD \_\_\_\_\_ SQUARE FEET OF WASTED PLATE. E. VEE OUT AND REWELD \_\_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. F. CROP AND REPLACE \_\_\_\_\_ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. G. REMOVE AND REINSTALL \_\_\_\_\_ TONS OF BALLAST. H. AIR TEST AFTER STRUCTURAL REPAIRS. I. PROVIDE \_\_\_\_\_ MANDAYS AND \_\_\_\_\_ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER AN ASSOCIATED TLI SYSTEM REPAIR TASK IS NOT ACCOMPLISHED CONCURRENTLY.

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| Task/Abbreviation: Q-12311-025-B-FO OVFL/EXP TK - GAS FREE |  |                                                                                                                                                                                                                            | MJC: EXECQAL4 |               | Rev Date: 11/25/2008 |                                                                                                                                                                                                                                                     |                   |             |         |  |
| RCM Analysis:                                              |  | Scheduled: Y                                                                                                                                                                                                               |               | Sit Reqs:     |                      | Qty: 4                                                                                                                                                                                                                                              | Removal Required: |             |         |  |
| Lvl of Maint: 1                                            |  | Freq: 120                                                                                                                                                                                                                  |               | Equip/Task: 1 |                      | Matl Cost: 2,100                                                                                                                                                                                                                                    |                   | ManDays: 20 | Alt No: |  |
| Referenced Authority:                                      |  |                                                                                                                                                                                                                            | Repair Pool:  |               |                      | MCC: 2                                                                                                                                                                                                                                              |                   |             |         |  |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:500530,MA:2900     |  |                                                                                                                                                                                                                            |               |               |                      |                                                                                                                                                                                                                                                     |                   |             |         |  |
| Reason:                                                    |  | Problem Description:                                                                                                                                                                                                       |               |               |                      | Recommended Solution:                                                                                                                                                                                                                               |                   |             |         |  |
| BASELINE                                                   |  | (Q-12311-025)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. |               |               |                      | OPEN, CLEAN, AND GAS FREE THE FUEL OIL OVERFLOW/EXPANSION TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |                   |             |         |  |

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**Task/Abbreviation:** Q-12311-027-A-FO OVFL/EXP TK (UNCOATED) -RPR**MJC:** EXECQA01**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12311-027)TANK REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE FUEL OIL OVERFLOW TANK. TO INCLUDE: A. CLEAN THE FUEL OIL OVERFLOW TANK. REMOVE \_\_\_ SQ FT OF PEELING, CRACKED AND BLISTERED PAINT DOWN TO GOOD SOLID BARE METAL. THE AREAS OF THE TANK WITH NO COATING ARE TO BE LEFT IN AN UNPAINTED CONDITION. B. REPLACE \_\_\_\_\_ FEET DETERIORATED SOUNDING TUBES. C. REPLACE \_\_\_\_\_ STRIKER PLATES. D. CLAD WELD \_\_\_\_\_ SQUARE FEET OF WASTED PLATE. E. VEE OUT AND REWELD \_\_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. F. CROP AND REPLACE \_\_\_\_\_ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. G. REMOVE AND REINSTALL \_\_\_\_\_ TONS OF BALLAST. H. AIR TEST AFTER STRUCTURAL REPAIRS. NOTES: 1. PROVIDE \_\_\_ MANDAYS AND \_\_\_ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. 2. ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER AN ASSOCIATED TLI SYSTEM REPAIR TASK IS NOT ACCOMPLISHED CONCURRENTLY.



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| <b>Task/Abbreviation:</b> Q-12311-051- -FO COMPSG/EXP TK - ENTIRE PSV |                     |                      | <b>MJC:</b> EXECJ010    |                          | <b>Rev Date:</b> 8/3/2007 |
| <b>RCM Analysis:</b>                                                  | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 32          | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                                | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 2,750 | <b>ManDays:</b> 10       | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                          |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 2           |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                                                                                                    | <b>Recommended Solution:</b>                                                                                                                           |
| BASELINE       | (Q-12311-051)TANK REQUIRES PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE FO COMPSG/EXP TANK INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |

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| Task/Abbreviation: Q-12311-052- -FO COMPSG/EXP TK - PIPING PSV |              |               | MJC: EXECJ011  |                   | Rev Date: 8/3/2007 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 32        | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 750 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                  |
| BASELINE | (Q-12311-052)PIPING REQUIRES CLEANING AND PRESERVATION | CLEAN AND PRESERVE THE PIPING OF THE COMPENSATING/EXPANSION FUEL OIL STORAGE TANK. CLEAN AND PRESERVE ___ LF OF ___ INCH OD PIPES. CLEAN AND PRESERVE THE PEELING AND FLAKING FLANGES. |

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**Task/Abbreviation:** Q-12311-053- -FO COMPSG/EXP TK - STRL RPR**MJC:** EXECJ012**Rev Date:** 8/3/2007**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 32**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,750**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12311-053)FUEL OIL  
COMPENSATING/EXPANSION TANK REQUIRES  
STRUCTURAL REPAIRSTRUCTURALLY REPAIR THE COMPENSATING/EXPANSION FUEL OIL  
STORAGE TANK(S). CROP OUT AND REPLACE \_\_\_\_ LNFT BUCKLED  
T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE  
METAL. REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING. UT INSPECT  
TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD IF  
NECESSARY CLAD WELD \_\_\_\_ SQ INCHES OF WASTED/PITTED PLATE.  
REMOVE AND REPLACE \_\_\_\_ SQFT OF PLATING INCLUDING DECK,  
SHELL AND BULKHEADS. CROP OUT \_\_\_\_ LINEAR FEET OF DAMAGED  
SHELL LONGL NUMBER\_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW  
USING LIKE MATERIAL. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF  
WASTED AND/OR CRACKED SEAMS AND BUTTS. PRIME AND PAINT  
REPAIRED AREAS.

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| Task/Abbreviation: Q-12311-055- -FO COMPSG/EXP TK - TCH UP PSV |              |               | MJC: EXECJ014  |                   | Rev Date: 8/3/2007 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 32        | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 750 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                                                                                                                                                                 | Recommended Solution:                                                                                                                                                                     |
| BASELINE | (Q-12311-055)TANK REQUIRES CLEANING AND TOUCH UP PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE (TOUCH UP) COMPENSATING/EXPANSION FUEL OIL STORAGE TANK. CLEAN AND PRESERVE ____ SQ FT OF SURFACE RUST, BLISTERING AND COATING FAILURE TO BARE METAL, PRIME AND PAINT. |

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| Task/Abbreviation: Q-12311-062- -FO OVFL/EXP TK (UNCOATED) -CLN |         |               | MJC: EXECJ021    |             | Rev Date: 5/11/2008 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:        | Qty: 4      | Removal Required:   |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25 | Alt No:             |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 2           |             |                     |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                    |
| BASELINE | (Q-12311-062)THE FUEL OIL OVERFLOW TANK REQUIRES CLEANING | CLEAN THE FUEL OIL OVERFLOW TANK. REMOVE __ SQ FT OF PEELING, CRACKED AND BLISTERED PAINT DOWN TO GOOD SOLID BARE METAL. THE AREAS OF THE TANK WITH NO COATING SHOULD BE LEFT IN AN UNPAINTED CONDITION. |

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| Task/Abbreviation: Q-12311-063- -FO OVFL/EXP TK UNCTD STRL-RPR |              | MJC: EXECJ022 | Rev Date: 2/20/2009 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4              | Removal Required: |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250    | ManDays: 25       | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 2        |                     |                   |         |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-12311-063)TANK REQUIRES STRUCTURAL REPAIR | STRUCTURALLY REPAIR THE FUEL OIL OVERFLOW TANK(S). CROP OUT AND REPLACE ____ LNFT BUCKLED T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR ____ INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD IF NECESSARY CLAD WELD ____ SQ INCHES OF WASTED/PITTED PLATE. REMOVE AND REPLACE ____ SQFT OF PLATING INCLUDING DECK, SHELL AND BULKHEADS. CROP OUT ____ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER____ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT AND REWELD ____ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. |

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| Task/Abbreviation: Q-12311-068- -FO STOR TK - CLEAN |         |               | MJC: EXECJ027    |             | Rev Date: 5/11/2008 |                   |
| RCM Analysis:                                       |         | Scheduled: N  | Sit Reqs:        |             | Qty: TBD            | Removal Required: |
| Lvl of Maint: 1                                     | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25 | Alt No:             |                   |
| Referenced Authority:                               |         | Repair Pool:  |                  | MCC: 2      |                     |                   |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                   |
| BASELINE | (Q-12311-068)THE FUEL OIL STORAGE TANK REQUIRES CLEANING | CLEAN THE FUEL OIL STORAGE TANK. REMOVE __ SQ FT OF PEELING, CRACKED AND BLISTERED PAINT DOWN TO GOOD SOLID BARE METAL. THE AREAS OF THE TANK WITH NO COATING SHOULD BE LEFT IN AN UNPAINTED CONDITION. |

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**Task/Abbreviation:** Q-12311-069- -FO STOR TK (STRL) - RPR**MJC:** EXECJ028**Rev Date:** 2/20/2009**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** TBD**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12311-069) TANK REQUIRES STRUCTURAL REPAIR

STRUCTURALLY REPAIR THE FUEL OIL STORAGE OR FUEL/BALLAST TANK(S). CROP OUT AND REPLACE \_\_\_\_ LNFT BUCKLED T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD IF NECESSARY CLAD WELD \_\_\_\_ SQ INCHES OF WASTED/PITTED PLATE. REMOVE AND REPLACE \_\_\_\_ SQFT OF PLATING INCLUDING DECK, SHELL AND BULKHEADS. CROP OUT \_\_\_\_ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER \_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS.



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| Task/Abbreviation: Q-12311-071- -FO SVCE TK - CLN |              |               | MJC: EXECJ030    |                   | Rev Date: 5/11/2008 |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: 6           | Removal Required: |                     |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                   |
| BASELINE | (Q-12311-071)THE FUEL OIL SERVICE TANK REQUIRES CLEANING. | CLEAN THE FUEL OIL SERVICE TANK. REMOVE __ SQ FT OF PEELING, CRACKED AND BLISTERED PAINT DOWN TO GOOD SOLID BARE METAL. THE AREAS OF THE TANK WITH NO COATING SHOULD BE LEFT IN AN UNPAINTED CONDITION. |

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| Task/Abbreviation: Q-12311-072- -FO SVCE TK (STRL) - RPR |              |               | MJC: EXECJ031    |                   | Rev Date: 2/20/2009 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 0           | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-12311-072)TANK REQUIRES STRUCTURAL REPAIR | STRUCTURALLY REPAIR THE FUEL OIL SERVICE TANK(S). CROP OUT AND REPLACE ____ LNFT BUCKLED T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR ____ INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD IF NECESSARY CLAD WELD ____ SQ INCHES OF WASTED/PITTED PLATE. REMOVE AND REPLACE ____ SQFT OF PLATING INCLUDING DECK, SHELL AND BULKHEADS. CROP OUT ____ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER____ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT AND REWELD ____ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. |

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| Task/Abbreviation: I-12311-074- -FO STOR TK - ASSESS MRC G1N5 |  |                                                                                                                                     |  | MJC: EXECIEM9 |  | Rev Date: 12/2/2008                                                                                                                                                                                                                                                                                                                                                          |  |                   |  |         |  |
| RCM Analysis: 7/12/2004                                       |  | Scheduled: Y                                                                                                                        |  | Sit Reqs:     |  | Qty: TBD                                                                                                                                                                                                                                                                                                                                                                     |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                               |  | Freq: 120                                                                                                                           |  | Equip/Task: 1 |  | Matl Cost:                                                                                                                                                                                                                                                                                                                                                                   |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                         |  |                                                                                                                                     |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                                                                                                                              |  | MCC: 2            |  |         |  |
| RCM CERTIFIED REQUIREMENT CCAMM REV 2 GC:500530,MA:G1N5       |  |                                                                                                                                     |  |               |  |                                                                                                                                                                                                                                                                                                                                                                              |  |                   |  |         |  |
| Reason:                                                       |  | Problem Description:                                                                                                                |  |               |  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |  |                   |  |         |  |
| BASELINE                                                      |  | (I-12311-074)TANK REQUIRES ASSESSMENT IAW CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |  |               |  | ACCOMPLISH THE FUEL OIL STORAGE TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |  |                   |  |         |  |

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| <b>Task/Abbreviation:</b> I-12311-075- -FO COMPSG/EXP TK - MRC G1N5 |  |                                                                                                                                                          |  | <b>MJC:</b> EXECIF96 |  | <b>Rev Date:</b> 12/2/2008                                                                                                                                                                                                                                                                                                                                                                              |  |                          |  |                |  |
| <b>RCM Analysis:</b> 7/12/2005                                      |  | <b>Scheduled:</b> Y                                                                                                                                      |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                              |  | <b>Freq:</b> 72                                                                                                                                          |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                                                                                       |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                                                                                                                                          |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>MCC:</b> 2            |  |                |  |
| RCM CERTIFIED REQUIREMENT CCAMM REV 2 GC:500600,MA:G1N5             |  |                                                                                                                                                          |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                         |  |                          |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>                                                                                                                              |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                            |  |                          |  |                |  |
| BASELINE                                                            |  | (I-12311-075)TANK REQUIRES ASSESSMENT IAW NSTM REQUIREMENT AND CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |  |                      |  | ACCOMPLISH THE COMPENSATING/EXPANSION FUEL OIL STORAGE TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS:<br>1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS . REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> I-12311-076- -FO SVCE TK - ASSESS - MRC G1N5 |  |                                                                                                                                     |  | <b>MJC:</b> EXECIF97 |  | <b>Rev Date:</b> 12/2/2008                                                                                                                                                                                                                                                                                                                                                   |  |                          |  |                |  |
| <b>RCM Analysis:</b> 7/12/2004                                         |  | <b>Scheduled:</b> Y                                                                                                                 |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                                                                                                                                                                                                                                                                                                              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                 |  | <b>Freq:</b> 120                                                                                                                    |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                                                            |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                                                                                                                                     |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                              |  | <b>MCC:</b> 2            |  |                |  |
| RCM CERTIFIED REQUIREMENT CCAMM REV 2 GC:500601,MA:G1N5                |  |                                                                                                                                     |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                              |  |                          |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b>                                                                                                         |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                 |  |                          |  |                |  |
| BASELINE                                                               |  | (I-12311-076)TANK REQUIRES ASSESSMENT IAW CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |  |                      |  | ACCOMPLISH THE FUEL OIL SERVICE TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> I-12311-078- -FO OVFL/EXP TK-ASSESS MRC G1N5 |  |                                                                                                                                     |  | <b>MJC:</b> EXECIF99 |  | <b>Rev Date:</b> 12/2/2008                                                                                                                                                                                                                                                                                                                                                    |  |                          |  |                |  |
| <b>RCM Analysis:</b> 7/12/2004                                         |  | <b>Scheduled:</b> Y                                                                                                                 |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                                                                                                                                                 |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                 |  | <b>Freq:</b> 120                                                                                                                    |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                                                             |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                                                                                                                                     |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                               |  | <b>MCC:</b> 2            |  |                |  |
| RCM CERTIFIED REQUIREMENT CCAMM REV 2 GC:500530,MA:G1N5                |  |                                                                                                                                     |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                               |  |                          |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b>                                                                                                         |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                  |  |                          |  |                |  |
| BASELINE                                                               |  | (I-12311-078)TANK REQUIRES ASSESSMENT IAW CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |  |                      |  | ACCOMPLISH THE FUEL OIL OVERFLOW TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> I-12311-093- -FO STOR TK - DGTL IMAG ASSESS |  |                                                         |  | <b>MJC:</b> EXECIH39 |  | <b>Rev Date:</b> 2/20/2009                                                               |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                     |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                |  | <b>Freq:</b> 0                                          |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                        |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                         |  | <b>Repair Pool:</b>  |  |                                                                                          |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                             |  |                      |  | <b>Recommended Solution:</b>                                                             |  |                          |  |                |  |
| BASELINE                                                              |  | (I-12311-093)FUEL OIL STORAGE TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE FUEL OIL STORAGE TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> I-12311-094- -FO SVCE TK - DGTL IMAG ASSESS |  |                                                         |  | <b>MJC:</b> EXECIH40   |  | <b>Rev Date:</b> 2/20/2009                                                               |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                     |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> TBD                                                                          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                |  | <b>Freq:</b> 0                                          |  | <b>Equip/Task:</b> TBD |  | <b>Matl Cost:</b>                                                                        |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                         |  | <b>Repair Pool:</b>    |  |                                                                                          |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                             |  |                        |  | <b>Recommended Solution:</b>                                                             |  |                          |  |                |  |
| BASELINE                                                              |  | (I-12311-094)FUEL OIL SERVICE TANK REQUIRES ASSESSMENT. |  |                        |  | ACCOMPLISH ASSESSMENT OF THE FUEL OIL SERVICE TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |



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| Task/Abbreviation: I-12311-096- -FO COMPSG/EX TK- DGL IMG ASSES |         |               | MJC: EXECIH43 |            | Rev Date: 7/30/2007 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:     | Qty: TBD   | Removal Required:   |
| Lvl of Maint: 3                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No:             |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 2        |            |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                           |
| BASELINE | (I-12311-096)THE COMPENSATING/EXPANSION FUEL OIL STORAGE TANK REQUIRES ASSESSMENT. | ACCOMPLISH ASSESSMENT OF THE COMPENSATING/EXPANSION FUEL OIL STORAGE TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |

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| <b>Task/Abbreviation:</b> I-12311-097- -FO OVFL/EX TK - DGL IMG ASSESS |  |                                                           |  | <b>MJC:</b> EXECIH44 |  | <b>Rev Date:</b> 2/20/2009                                                                |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N                                       |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                 |  | <b>Freq:</b> 0                                            |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                         |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                                                           |  | <b>Repair Pool:</b>  |  |                                                                                           |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b>                               |  |                      |  | <b>Recommended Solution:</b>                                                              |  |                          |  |                |  |
| BASELINE                                                               |  | (I-12311-097) FUEL OIL OVERFLOW TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE FUEL OIL OVERFLOW TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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| Task/Abbreviation: Q-12312-001-A-JP5 STOR TK - GAS FREE |           |               | MJC: EXECQAL3    |             | Rev Date: 9/18/2008 |                   |
| RCM Analysis:                                           |           | Scheduled: Y  | Sit Reqs:        |             | Qty: 6              | Removal Required: |
| Lvl of Maint: 1                                         | Freq: 120 | Equip/Task: 1 | Matl Cost: 2,100 | ManDays: 20 | Alt No:             |                   |
| Referenced Authority:                                   |           | Repair Pool:  |                  | MCC: 2      |                     |                   |

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| Reason:  | Problem Description:                                                                                                                                                                                                                   | Recommended Solution:                                                                                                                                                                                                               |
| BASELINE | (Q-12312-001)JP5 STORAGE TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | OPEN, CLEAN, AND GAS FREE THE JP5 STORAGE TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |

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| <b>Task/Abbreviation:</b> I-12312-002-A-JP5 STOR TK - ASSESS MRC G1N5 |  |                                                              |  | <b>MJC:</b> EXECI400 |  | <b>Rev Date:</b> 9/18/2008                                                                                                                                                                                                                                                                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b> 1/8/2007                                         |  | <b>Scheduled:</b> Y                                          |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 6                                                                                                                                                                                                                                                                                                                    |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                |  | <b>Freq:</b> 120                                             |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                              |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                  |  | <b>MCC:</b> 2            |  |                |  |
| CCAMM REV 2 AV CERT NAVAIRINST 3120.1C GC:500780,MA:G1N5              |  |                                                              |  |                      |  |                                                                                                                                                                                                                                                                                                                                  |  |                          |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                                  |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                     |  |                          |  |                |  |
| BASELINE                                                              |  | (I-12312-002)THE JP5 STORAGE/DRAIN TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH THE JP5 STORAGE TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS . PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |  |                          |  |                |  |

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**Task/Abbreviation:** Q-12312-003- -JP5 STOR TK - RPR**MJC:** EXECQ018**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 6**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12312-003)TANK REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE JP5 STORAGE TANK. TO INCLUDE: A. REPAIR \_\_\_\_\_ SQUARE FEET OF COATING SYSTEM USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. B. REPLACE \_\_\_\_\_ FEET DETERIORATED SOUNDING TUBES. C. REPLACE \_\_\_\_\_ STRIKER PLATES. D. CLAD WELD \_\_\_\_\_ SQUARE FEET OF WASTED PLATE. E. VEE OUT AND REWELD \_\_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. F. CROP AND REPLACE \_\_\_\_\_ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. G. REMOVE AND REINSTALL \_\_\_\_\_ TONS OF BALLAST. H. AIR TEST AFTER STRUCTURAL REPAIRS. I. PROVIDE \_\_\_\_\_ MANDAYS AND \_\_\_\_\_ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER THE ASSOCIATED TLI SYSTEM REPAIR TASK Q-43721-15 IS NOT ACCOMPLISHED CONCURRENTLY.

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| Task/Abbreviation: Q-12312-005-A-JP5 SVCE TK - GAS FREE |              | MJC: EXECQAL2 | Rev Date: 9/18/2008 |                   |         |
| RCM Analysis:                                           | Scheduled: Y | Sit Reqs:     | Qty: 2              | Removal Required: |         |
| Lvl of Maint: 1                                         | Freq: 96     | Equip/Task: 1 | Matl Cost: 2,100    | ManDays: 21       | Alt No: |
| Referenced Authority:                                   | Repair Pool: | MCC: 2        |                     |                   |         |

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| Reason:  | Problem Description:                                                                                                                                                                                                                   | Recommended Solution:                                                                                                                                                                                                               |
| BASELINE | (Q-12312-005)JP5 SERVICE TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | OPEN, CLEAN, AND GAS FREE THE JP5 SERVICE TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |

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| Task/Abbreviation: I-12312-006-A-JP5 SVCE TK - ASSESS MRC G1N5 |  |                                                         | MJC: EXECI401 |               | Rev Date: 9/18/2008 |                                                                                                                                                                                                                                                                                                                                  |                   |            |         |  |
| RCM Analysis: 1/8/2007                                         |  | Scheduled: Y                                            |               | Sit Reqs:     |                     | Qty: 2                                                                                                                                                                                                                                                                                                                           | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                |  | Freq: 96                                                |               | Equip/Task: 1 |                     | Matl Cost:                                                                                                                                                                                                                                                                                                                       |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                          |  |                                                         | Repair Pool:  |               |                     | MCC: 2                                                                                                                                                                                                                                                                                                                           |                   |            |         |  |
| CCAMM REV 2 AV CERT NAVAIRINST 3120.1C GC:500781,MA:G1N5       |  |                                                         |               |               |                     |                                                                                                                                                                                                                                                                                                                                  |                   |            |         |  |
| Reason:                                                        |  | Problem Description:                                    |               |               |                     | Recommended Solution:                                                                                                                                                                                                                                                                                                            |                   |            |         |  |
| BASELINE                                                       |  | (I-12312-006) THE JP5 SERVICE TANK REQUIRES ASSESSMENT. |               |               |                     | ACCOMPLISH THE JP5 SERVICE TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS . PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |                   |            |         |  |

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| Task/Abbreviation: Q-12312-007- -JP5 SVCE TK - RPR |              |               | MJC: EXECQA03    |                   | Rev Date: 2/20/2009 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-12312-007) TANK REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE JP5 SERVICE TANK. TO INCLUDE: A. REPLACE _____ FEET DETERIORATED SOUNDING TUBES B. REPLACE _____ STRIKER PLATES. C. CLAD WELD _____ SQUARE FEET OF WASTED PLATE. D. VEE OUT AND REWELD _____ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. E. CROP AND REPLACE _____ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. F. REMOVE AND REINSTALL _____ TONS OF BALLAST. G. AIR TEST AFTER STRUCTURAL REPAIRS. I. PROVIDE _____ MANDAYS AND _____ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER THE ASSOCIATED TLI SYSTEM REPAIR TASK Q-43721-15 IS NOT ACCOMPLISHED CONCURRENTLY. |



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| Task/Abbreviation: Q-12312-018- -JP5 STOR TK - ENTIRE PSV |              |               | MJC: EXECJ038    |                   | Rev Date: 8/3/2007 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 6           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                                                                                                                                                           | Recommended Solution:                                                                                                                                |
| BASELINE | (Q-12312-018)TANK REQUIRES PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE JP5 STORAGE TANK INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |

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| Task/Abbreviation: Q-12312-019- -JP5 STOR TK - PIPING PSV |              |               | MJC: EXECJ039  |                   | Rev Date: 8/3/2007 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 6         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 600 | ManDays: 12       | Alt No:            |
| Referenced Authority:                                     | Repair Pool: | MCC: 2        |                |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                        |
| BASELINE | (Q-12312-019)PIPING REQUIRES CLEANING AND PRESERVATION | CLEAN AND PRESERVE THE PIPING OF THE JP5 STORAGE TANK. CLEAN AND PRESERVE ____ LF OF ____ INCH OD PIPES. CLEAN AND PRESERVE THE PEELING AND FLAKING FLANGES. |

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**Task/Abbreviation:** Q-12312-020- -JP5 STOR TK - STRL RPR**MJC:** EXECJ040**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 6**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12312-020) TANK REQUIRES STRUCTURAL REPAIR

STRUCTURALLY REPAIR THE JP5 STORAGE TANK(S). CROP OUT AND REPLACE \_\_\_\_ LNFT BUCKLED T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD IF NECESSARY CLAD WELD \_\_\_\_ SQ INCHES OF WASTED/PITTED PLATE. REMOVE AND REPLACE \_\_\_\_ SQFT OF PLATING INCLUDING DECK, SHELL AND BULKHEADS. CROP OUT \_\_\_\_ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER \_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS.

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| Task/Abbreviation: Q-12312-022- -JP5 STOR TK - TCH UP PSV |              |               | MJC: EXECJ042    |                   | Rev Date: 8/3/2007 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 6           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:            |
| Referenced Authority:                                     | Repair Pool: | MCC: 2        |                  |                   |                    |

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| Reason:  | Problem Description:                                                                                                                                                                                 | Recommended Solution:                                                                                                                                         |
| BASELINE | (Q-12312-022)TANK REQUIRES CLEANING AND TOUCH UP PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE (TOUCH UP) JP5 STORAGE TANK. CLEAN AND PRESERVE ____ SQ FT OF SURFACE RUST, BLISTERING AND COATING FAILURE TO BARE METAL, PRIME AND PAINT. |

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| Task/Abbreviation: Q-12312-023- -JP5 SVCE TK - ENTIRE PSV |              |               | MJC: EXECJ043    |                   | Rev Date: 8/3/2007 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                                                                                                                                                           | Recommended Solution:                                                                                                                                |
| BASELINE | (Q-12312-023)TANK REQUIRES PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE JP5 SERVICE TANK INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |

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| <b>Task/Abbreviation:</b> Q-12312-024- -JP5 SVCE TK - PIPING PSV |  |                     |  | <b>MJC:</b> EXECJ044 |  | <b>Rev Date:</b> 8/3/2007 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 600     |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                            | <b>Recommended Solution:</b>                                                                                                                                 |
| BASELINE       | (Q-12312-024)PIPING REQUIRES CLEANING AND PRESERVATION | CLEAN AND PRESERVE THE PIPING OF THE JP5 SERVICE TANK. CLEAN AND PRESERVE ____ LF OF ____ INCH OD PIPES. CLEAN AND PRESERVE THE PEELING AND FLAKING FLANGES. |

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**Task/Abbreviation:** Q-12312-025- -JP5 SVCE TK - STRL RPR**MJC:** EXECJ045**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12312-025)TANK REQUIRES STRUCTURAL REPAIR

STRUCTURALLY REPAIR THE JP5 SERVICE TANK(S). CROP OUT AND REPLACE \_\_\_\_ LNFT BUCKLED T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD IF NECESSARY CLAD WELD \_\_\_\_ SQ INCHES OF WASTED/PITTED PLATE. REMOVE AND REPLACE \_\_\_\_ SQFT OF PLATING INCLUDING DECK, SHELL AND BULKHEADS. CROP OUT \_\_\_\_ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER \_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS.

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| Task/Abbreviation: Q-12312-027- -JP5 SVCE TK - TCH UP PSV |              |               | MJC: EXECJ047    |                   | Rev Date: 8/3/2007 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                                                                                                                                                                                 | Recommended Solution:                                                                                                                                         |
| BASELINE | (Q-12312-027)TANK REQUIRES CLEANING AND TOUCH UP PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE (TOUCH UP) JP5 SERVICE TANK. CLEAN AND PRESERVE ____ SQ FT OF SURFACE RUST, BLISTERING AND COATING FAILURE TO BARE METAL, PRIME AND PAINT. |



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| <b>Task/Abbreviation:</b> I-12312-030- -JP5 STOR TK - DGTL IMAG ASSESS |  |                                                    |  | <b>MJC:</b> EXECIH45 |  | <b>Rev Date:</b> 2/20/2009                                                          |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N                                |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                 |  | <b>Freq:</b> 0                                     |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                   |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                                                    |  | <b>Repair Pool:</b>  |  |                                                                                     |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b>                        |  |                      |  | <b>Recommended Solution:</b>                                                        |  |                          |  |                |  |
| BASELINE                                                               |  | (I-12312-030)JP5 STORAGE TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE JP5 STORAGE TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> I-12312-031- -JP5 SVCE TK - DGTL IMAG ASSESS |  |                                                    |  | <b>MJC:</b> EXECIH48 |  | <b>Rev Date:</b> 2/20/2009                                                          |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N                                |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                 |  | <b>Freq:</b> 0                                     |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                   |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                                                    |  | <b>Repair Pool:</b>  |  |                                                                                     |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b>                        |  |                      |  | <b>Recommended Solution:</b>                                                        |  |                          |  |                |  |
| BASELINE                                                               |  | (I-12312-031)JP5 SERVICE TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE JP5 SERVICE TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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| Task/Abbreviation: Q-12313-001-A-FDW TK - GAS FREE |          |               | MJC: EXECQ057    |             | Rev Date: 9/18/2008 |                   |
| RCM Analysis:                                      |          | Scheduled: Y  | Sit Reqs:        |             | Qty: 4              | Removal Required: |
| Lvl of Maint: 1                                    | Freq: 72 | Equip/Task: 1 | Matl Cost: 2,100 | ManDays: 21 | Alt No:             |                   |
| Referenced Authority:                              |          | Repair Pool:  |                  | MCC: 2      |                     |                   |

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| Reason:  | Problem Description:                                                                                                                                                                                                       | Recommended Solution:                                                                                                                                                                                                             |
| BASELINE | (Q-12313-001)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | OPEN, CLEAN, AND GAS FREE THE FEEDWATER TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |

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| <b>Task/Abbreviation:</b> I-12313-002-A-FDW TK - ASSESS MRC G1N5 |  |                                                                                                                                     |  | <b>MJC:</b> EXECM019 |  | <b>Rev Date:</b> 9/18/2008                                                                                                                                                                                                                                                                                                                                            |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> Y                                                                                                                 |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                                                                                                                                         |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                           |  | <b>Freq:</b> 72                                                                                                                     |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                                                     |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                                                                                                                                     |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                       |  | <b>MCC:</b> 2            |  |                |  |
| RCM CERTIFIED REQUIREMENT CCAMM REV 2 GC:500575,MA:G1N5          |  |                                                                                                                                     |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                       |  |                          |  |                |  |
| <b>Reason:</b>                                                   |  | <b>Problem Description:</b>                                                                                                         |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                          |  |                          |  |                |  |
| BASELINE                                                         |  | (I-12313-002)TANK REQUIRES ASSESSMENT IAW CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |  |                      |  | ACCOMPLISH THE FEEDWATER TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |  |                          |  |                |  |

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**Task/Abbreviation:** Q-12313-003-A-FDW TK - RPR**MJC:** EXECQ020**Rev Date:** 7/30/2007**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12313-003)TANK REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE FEEDWATER TANK. TO INCLUDE: A. REPLACE \_\_\_\_\_ FEET DETERIORATED SOUNDING TUBES. B. REPLACE \_\_\_\_\_ STRIKER PLATES. C. CLAD WELD \_\_\_\_\_ SQUARE FEET OF WASTED PLATE. D. VEE OUT AND REWELD \_\_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. E. CROP AND REPLACE \_\_\_\_\_ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. F. REMOVE AND REINSTALL \_\_\_\_\_ TONS OF BALLAST. G. AIR TEST AFTER STRUCTURAL REPAIRS. H. PROVIDE \_\_\_\_\_ MANDAYS AND \_\_\_\_\_ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER THE ASSOCIATED TLI SYSTEM REPAIR TASK Q-43721-16 IS NOT ACCOMPLISHED CONCURRENTLY.

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| Task/Abbreviation: Q-12313-004- -FDW TK (ENTIRE)- PSV |              |               | MJC: EXECJ048    |                   | Rev Date: 7/30/2007 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                                           | Recommended Solution:                                                                                                                          |
| BASELINE | (Q-12313-004)TANK REQUIRES PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE ENTIRE FEEDWATER TANK INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |

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| Task/Abbreviation: Q-12313-005- -FDW TK (PIPING)- PSV |         |               | MJC: EXECJ049    |             | Rev Date: 7/30/2007 |
| RCM Analysis:                                         |         | Scheduled: N  | Sit Reqs:        | Qty: 4      | Removal Required:   |
| Lvl of Maint: 1                                       | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25 | Alt No:             |
| Referenced Authority:                                 |         | Repair Pool:  | MCC: 2           |             |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                      |
| BASELINE | (Q-12313-005)PIPING REQUIRES CLEANING AND PRESERVATION | CLEAN AND PRESERVE THE PIPING OF THE FEEDWATER TANK. CLEAN AND PRESERVE ____ LF OF ____ INCH OD PIPES. CLEAN AND PRESERVE THE PEELING AND FLAKING FLANGES. |

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**Task/Abbreviation:** Q-12313-006- -FDW TK (STRL) - RPR**MJC:** EXECJ050**Rev Date:** 7/30/2007**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12313-006)TANK REQUIRES STRUCTURAL REPAIR

STRUCTURALLY REPAIR THE FEEDWATER TANK(S). CROP OUT AND REPLACE \_\_\_\_ LNFT BUCKLED T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD IF NECESSARY CLAD WELD \_\_\_\_ SQ INCHES OF WASTED/PITTED PLATE. REMOVE AND REPLACE \_\_\_\_ SQFT OF PLATING INCLUDING DECK, SHELL AND BULKHEADS. CROP OUT \_\_\_\_ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER \_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS.



|                                                       |              |               |                  |                   |                     |
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| Task/Abbreviation: Q-12313-008- -FDW TK TOUCH UP -PSV |              |               | MJC: EXECJ052    |                   | Rev Date: 7/30/2007 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                                                                 | Recommended Solution:                                                                                                                                       |
| BASELINE | (Q-12313-008)TANK REQUIRES CLEANING AND TOUCH UP PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE (TOUCH UP) FEEDWATER TANK. CLEAN AND PRESERVE ____ SQ FT OF SURFACE RUST, BLISTERING AND COATING FAILURE TO BARE METAL, PRIME AND PAINT. |

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| <b>Task/Abbreviation:</b> I-12313-010- -FDW TK - DCTL IMAG ASSESS |  |                                                  |  | <b>MJC:</b> EXECIGY6 |  | <b>Rev Date:</b> 7/30/2007                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N                              |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                            |  | <b>Freq:</b> 0                                   |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                 |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                                                  |  | <b>Repair Pool:</b>  |  |                                                                                   |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                    |  | <b>Problem Description:</b>                      |  |                      |  | <b>Recommended Solution:</b>                                                      |  |                          |  |                |  |
| BASELINE                                                          |  | (I-12313-010)FEEDWATER TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE FEEDWATER TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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| Task/Abbreviation: Q-12314-001-A-POTW TK - GAS FREE |              |               | MJC: EXECQ058    |                   | Rev Date: 9/18/2008 |
| RCM Analysis:                                       | Scheduled: Y | Sit Reqs:     | Qty: 6           | Removal Required: |                     |
| Lvl of Maint: 1                                     | Freq: 72     | Equip/Task: 1 | Matl Cost: 2,100 | ManDays: 21       | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                                                                                       | Recommended Solution:                                                                                                                                                                                                                 |
| BASELINE | (Q-12314-001)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | OPEN, CLEAN, AND GAS FREE THE POTABLE WATER TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |

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| Task/Abbreviation: I-12314-002-A-POTW TK - ASSESS MRC G1N5 |  |                                                                                                                                     |  | MJC: EXECM021 |  | Rev Date: 9/18/2008                                                                                                                                                                                                                                                                                                                                                       |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: Y                                                                                                                        |  | Sit Reqs:     |  | Qty: 6                                                                                                                                                                                                                                                                                                                                                                    |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                            |  | Freq: 72                                                                                                                            |  | Equip/Task: 1 |  | Matl Cost:                                                                                                                                                                                                                                                                                                                                                                |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                      |  |                                                                                                                                     |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                                                                                                                           |  | MCC: 2            |  |         |  |
| RCM CERTIFIED REQUIREMENT CCAMM REV 2 GC:500710,MA:G1N5    |  |                                                                                                                                     |  |               |  |                                                                                                                                                                                                                                                                                                                                                                           |  |                   |  |         |  |
| Reason:                                                    |  | Problem Description:                                                                                                                |  |               |  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                     |  |                   |  |         |  |
| BASELINE                                                   |  | (I-12314-002)TANK REQUIRES ASSESSMENT IAW CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |  |               |  | ACCOMPLISH THE POTABLE WATER TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |  |                   |  |         |  |

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**Task/Abbreviation:** Q-12314-003-A-POTW TK - RPR**MJC:** EXECQ021**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 6**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12314-003)POTABLE WATER TANK REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE POTABLE WATER TANK. TO INCLUDE: A. REPAIR \_\_\_\_\_ SQUARE FEET OF COATING SYSTEM USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. B. REPLACE \_\_\_\_\_ FEET DETERIORATED SOUNDING TUBES. C. REPLACE \_\_\_\_\_ STRIKER PLATES. D. CLAD WELD \_\_\_\_\_ SQUARE FEET OF WASTED PLATE. E. VEE OUT AND REWELD \_\_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. F. CROP AND REPLACE \_\_\_\_\_ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. G. CHLORINATE UPON CLOSING THE POTABLE WATER TANK. H. AIR TEST AFTER STRUCTURAL REPAIRS. I. PROVIDE \_\_\_\_\_ MANDAYS AND \_\_\_\_\_ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: 1. ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER AN ASSOCIATED TLI SYSTEM REPAIR TASK IS NOT ACCOMPLISHED CONCURRENTLY. 2. UTILIZE NAVSEA STANDARD ITEM 009-87, CHLORINATION PROCEDURES, FOR GUIDANCE IN DEVELOPING THIS ITEM.

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| Task/Abbreviation: Q-12314-008- -POTW TANK (ENTIRE) - PSV |              | MJC: EXECJ001 |                  | Rev Date: 5/11/2008 |         |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 0           | Removal Required:   |         |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25         | Alt No: |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2           |                     |         |

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| Reason:  | Problem Description:                                                                                                                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-12314-008)TANK REQUIRES PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE POTABLE WATER TANK INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. CHLORINATE UPON CLOSING THE POTABLE WATER TANK. UTILIZE NAVSEA STANDARD ITEM 009-87, CHLORINATION PROCEDURES, FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| Task/Abbreviation: Q-12314-009- -POTW TANK (PIPING) - PSV |              |               | MJC: EXECJ002  |                   | Rev Date: 5/11/2008 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 0         | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 333 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-12314-009)THE POTABLE WATER TANK PIPING REQUIRES PRESERVATION | CLEAN AND PRESERVE THE PIPING OF THE POTABLE WATER TANK. CLEAN AND PRESERVE ____ LINEAR FEET OF ____ INCH OD PIPES. CLEAN THE PEELING AND FLAKING FLANGES AND PRESERVE. CHLORINATE UPON CLOSING THE POTABLE WATER TANK. UTILIZE NAVSEA STANDARD ITEM 009-87, CHLORINATION PROCEDURES, FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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**Task/Abbreviation:** Q-12314-011- -POTW TANK (STRUCTURAL) - RPR**MJC:** EXECJ004**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 0**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12314-011)POTABLE WATER TANK REQUIRES  
STRUCTURAL REPAIRACCOMPLISH STRUCTURAL REPAIR TO THE POTABLE WATER TANK.  
CROP OUT AND REPLACE \_\_\_\_ LINEAR FEET OF BUCKLED T-BAR.  
CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL.  
REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING. UT INSPECT TO  
DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD \_\_\_\_  
SQUARE INCHES OF WASTED/PITTED PLATE. REMOVE AND  
REPLACE \_\_\_\_ SQUARE FEET OF PLATING INCLUDING DECK, SHELL,  
AND BULKHEADS. CROP OUT \_\_\_\_ LINEAR FEET OF DAMAGED SHELL  
LONGL NUMBER \_\_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW USING  
LIKE MATERIAL. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF  
WASTED AND/OR CRACKED SEAMS AND BUTTS. PRIME AND PAINT  
REPAIRED AREAS. CHLORINATE UPON CLOSING THE POTABLE  
WATER TANK. UTILIZE NAVSEA STANDARD ITEM 009-87,  
CHLORINATION PROCEDURES, FOR GUIDANCE IN DEVELOPING THIS  
ITEM.



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|-------------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-12314-012- -POTW TANK (TOUCH UP) - PSV |              |               | MJC: EXECJ005  |                   | Rev Date: 5/11/2008 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 0         | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 333 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-12314-012)POTABLE WATER TANK REQUIRES CLEANING AND TOUCH UP PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010.) | CLEAN AND PRESERVE (TOUCH UP) THE POTABLE WATER TANK. REMOVE ____ SQUARE FEET OF SURFACE RUST, BLISTERING, AND COATING FAILURE DOWN TO BARE METAL. PRIME AND PAINT. CHLORINATE UPON CLOSING THE POTABLE WATER TANK. UTILIZE NAVSEA STANDARD ITEM 009-87, CHLORINATION PROCEDURES, FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| <b>Task/Abbreviation:</b> I-12314-014- -POTW TK - DGTL IMAG ASSESS |  |                                                      |  | <b>MJC:</b> EXECIGY8 |  | <b>Rev Date:</b> 2/20/2009                                                            |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                                  |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                       |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                             |  | <b>Freq:</b> 0                                       |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                     |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                                      |  | <b>Repair Pool:</b>  |  |                                                                                       |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                          |  |                      |  | <b>Recommended Solution:</b>                                                          |  |                          |  |                |  |
| BASELINE                                                           |  | (I-12314-014)POTABLE WATER TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE POTABLE WATER TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| Task/Abbreviation: Q-12315-001-B-LO SETLG TK - GAS FREE |                                                                                                                                                                                                                            |               | MJC: EXECQ022                                                                                                                                                                                                                             |                   | Rev Date: 5/13/2008 |
| RCM Analysis:                                           | Scheduled: N                                                                                                                                                                                                               | Sit Reqs:     | Qty: 2                                                                                                                                                                                                                                    | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0                                                                                                                                                                                                                    | Equip/Task: 1 | Matl Cost: 2,100                                                                                                                                                                                                                          | ManDays: 20       | Alt No:             |
| Referenced Authority:                                   |                                                                                                                                                                                                                            | Repair Pool:  | MCC: 1                                                                                                                                                                                                                                    |                   |                     |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:500640,MA:2900  |                                                                                                                                                                                                                            |               |                                                                                                                                                                                                                                           |                   |                     |
| Reason:                                                 | Problem Description:                                                                                                                                                                                                       |               | Recommended Solution:                                                                                                                                                                                                                     |                   |                     |
| BASELINE                                                | (Q-12315-001)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. |               | OPEN, CLEAN, AND GAS FREE THE LUBE OIL SETTLING TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |                   |                     |

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| Task/Abbreviation: Q-12315-003-A-LO SETLG TK - RPR |         |               | MJC: EXECQBJ0    |             | Rev Date: 2/20/2009 |                   |
| RCM Analysis:                                      |         | Scheduled: N  | Sit Reqs:        |             | Qty: 2              | Removal Required: |
| Lvl of Maint: 1                                    | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25 | Alt No:             |                   |
| Referenced Authority:                              |         | Repair Pool:  |                  | MCC: 1      |                     |                   |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-12315-003)TANK REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE LUBE OIL<br>SETTLING TANK. TO INCLUDE: A. REPLACE _____ FEET<br>DETERIORATED SOUNDING TUBES B. REPLACE _____ STRIKER<br>PLATES C. CLAD WELD _____ SQUARE FEET OF WASTED PLATE<br>D. VEE OUT AND REWELD _____ LINEAR FEET OF WASTED AND/OR<br>CRACKED SEAMS AND BUTTS. E. CROP AND REPLACE _____<br>SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE<br>TOGETHER WITH INTERNALS IN WAY OF F. REMOVE AND<br>REINSTALL _____ TONS OF BALLAST. G. AIR TEST AFTER<br>STRUCTURAL REPAIRS. H. PROVIDE _____ MANDAYS AND _____<br>DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT<br>PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI<br>SYSTEM HARDWARE REPAIR WHENEVER AN ASSOCIATED TLI<br>SYSTEM REPAIR TASK IS NOT ACCOMPLISHED CONCURRENTLY. |

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| Task/Abbreviation: Q-12315-005-B-LO STOR TK - GAS FREE |                                                                                                                                                                                                                            |               | MJC: EXECQ024                                                                                                                                                                                                                            |                   | Rev Date: 5/13/2008 |
| RCM Analysis:                                          | Scheduled: N                                                                                                                                                                                                               | Sit Reqs:     | Qty: 6                                                                                                                                                                                                                                   | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0                                                                                                                                                                                                                    | Equip/Task: 1 | Matl Cost: 2,100                                                                                                                                                                                                                         | ManDays: 20       | Alt No:             |
| Referenced Authority:                                  |                                                                                                                                                                                                                            | Repair Pool:  | MCC: 1                                                                                                                                                                                                                                   |                   |                     |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:500655,MA:2900 |                                                                                                                                                                                                                            |               |                                                                                                                                                                                                                                          |                   |                     |
| Reason:                                                | Problem Description:                                                                                                                                                                                                       |               | Recommended Solution:                                                                                                                                                                                                                    |                   |                     |
| BASELINE                                               | (Q-12315-005)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. |               | OPEN, CLEAN, AND GAS FREE THE LUBE OIL STORAGE TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |                   |                     |

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| Task/Abbreviation: Q-12315-007-A-LO STOR TK - RPR |              |               | MJC: EXECQBJ1    |                   | Rev Date: 2/20/2009 |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: 6           | Removal Required: |                     |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 1           |                   |                     |

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| Reason:  | Problem Description:               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-12315-007) TANK REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE LUBE OIL STORAGE TANK, TO INCLUDE: A. REPLACE _____ FEET DETERIORATED SOUNDING TUBES. B. REPLACE _____ STRIKER PLATES. C. CLAD WELD _____ SQUARE FEET OF WASTED PLATE. D. VEE OUT AND REWELD _____ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. E. CROP AND REPLACE _____ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. F. REMOVE AND REINSTALL _____ TONS OF BALLAST. G. AIR TEST AFTER STRUCTURAL REPAIRS. H. PROVIDE _____ MANDAYS AND _____ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER AN ASSOCIATED TLI SYSTEM REPAIR TASK IS NOT ACCOMPLISHED CONCURRENTLY. |

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**Task/Abbreviation:** Q-12315-015- -LO SETLG TK (STRL) - RPR**MJC:** EXECJ053**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12315-015) TANK REQUIRES STRUCTURAL REPAIR

STRUCTURALLY REPAIR THE LUBE OIL SETTLING TANK(S). A. CROP OUT AND REPLACE \_\_\_\_ LNFT BUCKLED T-BAR. B. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. C. REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING. D. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. E. CLAD WELD IF NECESSARY - CLAD WELD \_\_ SQ INCHES OF WASTED/PITTED PLATE. F. REMOVE AND REPLACE \_\_\_\_ SQFT OF PLATING INCLUDING DECK, SHELL AND BULKHEADS. G. CROP OUT \_\_ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER \_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. H. VEE OUT AND REWELD \_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS.

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| Task/Abbreviation: Q-12315-017- -LO STOR TK (STRL) - RPR |              |               | MJC: EXECJ055    |                   | Rev Date: 2/20/2009 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 6           | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 1           |                   |                     |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-12315-017) TANK REQUIRES STRUCTURAL REPAIR | STRUCTURALLY REPAIR THE LUBE OIL STORAGE TANK(S). CROP OUT AND REPLACE ____ LNFT BUCKLED T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR ____ INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD IF NECESSARY CLAD WELD ____ SQ INCHES OF WASTED/PITTED PLATE. REMOVE AND REPLACE ____ SQFT OF PLATING INCLUDING DECK, SHELL AND BULKHEADS. CROP OUT ____ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER ____ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT AND REWELD ____ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. |



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**Task/Abbreviation:** I-12315-021- -LO STOR TK - ASSESS MRC G1N5**MJC:** EXECIEN3**Rev Date:** 12/28/2007**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** TBD**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:**

BASELINE

**Problem Description:**

(I-12315-021)TANK REQUIRES ASSESSMENT IAW  
CRITERIA OF THE CORROSION CONTROL  
INFORMATION MANAGEMENT SYSTEM (CCIMS)  
T-9630-AB-MMD-010

**Recommended Solution:**

ACCOMPLISH THE LUBE OIL STORAGE TANK ASSESSMENT IN  
ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT  
ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS  
FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1.  
ENSURE TANKS ARE GAS FREE BEFORE ENTERING.

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**Task/Abbreviation:** I-12315-022- -LO SETLG TK - ASSESS MRC G1N5**MJC:** EXECIFA2**Rev Date:** 5/21/2008**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:**

BASELINE

**Problem Description:**

(I-12315-022)TANK REQUIRES ASSESSMENT IAW  
CRITERIA OF THE CORROSION CONTROL  
INFORMATION MANAGEMENT SYSTEM (CCIMS)  
T-9630-AB-MMD-010

**Recommended Solution:**

ACCOMPLISH THE LUBE OIL SETTLING TANK ASSESSMENT IN  
ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT  
ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS  
FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1.  
ENSURE TANKS ARE GAS FREE BEFORE ENTERING.

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|-----------------------------------------------------------------------|--|---------------------------------------------------------|--|----------------------|--|------------------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> I-12315-024- -LO STOR TK - DGTL IMAG ASSESS |  |                                                         |  | <b>MJC:</b> EXECIH52 |  | <b>Rev Date:</b> 2/20/2009                                                               |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                     |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                |  | <b>Freq:</b> 0                                          |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                        |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                         |  | <b>Repair Pool:</b>  |  |                                                                                          |  | <b>MCC:</b> 1            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                             |  |                      |  | <b>Recommended Solution:</b>                                                             |  |                          |  |                |  |
| BASELINE                                                              |  | (I-12315-024)LUBE OIL STORAGE TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE LUBE OIL STORAGE TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> I-12315-025- -LO SETLG TK - DGTL IMAG ASSESS |  |                     |  | <b>MJC:</b> EXECIH53 |  | <b>Rev Date:</b> 2/20/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 1            |  |                |  |

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|----------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                              |
| BASELINE       | (I-12315-025)LUBE OIL SETTLING TANK REQUIRES ASSESSMENT. | ACCOMPLISH ASSESSMENT OF THE LUBE OIL SETTLING TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |

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|-----------------------------------------------------|----------|---------------|------------------|-------------|---------------------|-------------------|
| Task/Abbreviation: Q-12316-001-A-BLST TK - GAS FREE |          |               | MJC: EXECQ067    |             | Rev Date: 9/18/2008 |                   |
| RCM Analysis:                                       |          | Scheduled: Y  | Sit Reqs:        |             | Qty: 20             | Removal Required: |
| Lvl of Maint: 1                                     | Freq: 72 | Equip/Task: 1 | Matl Cost: 2,100 | ManDays: 20 | Alt No:             |                   |
| Referenced Authority:                               |          | Repair Pool:  |                  | MCC: 1      |                     |                   |

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| Reason:  | Problem Description:                                                                                                                                                                                                       | Recommended Solution:                                                                                                                                                                                                           |
| BASELINE | (Q-12316-001)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | OPEN, CLEAN, AND GAS FREE THE BALLAST TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |

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| Task/Abbreviation: I-12316-002-A-BLST TK - ASSESS MRC G1N5 |                                                                                                                                     |               | MJC: EXECM028                                                                                                                                                                                                                                                                                                                                                       |            | Rev Date: 9/18/2008 |
| RCM Analysis:                                              |                                                                                                                                     | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                                                                                                                                                           | Qty: 20    | Removal Required:   |
| Lvl of Maint: 3                                            | Freq: 72                                                                                                                            | Equip/Task: 1 | Matl Cost:                                                                                                                                                                                                                                                                                                                                                          | ManDays: 1 | Alt No:             |
| Referenced Authority:                                      |                                                                                                                                     | Repair Pool:  | MCC: 1                                                                                                                                                                                                                                                                                                                                                              |            |                     |
| RCM CERTIFIED REQUIREMENT CCAMM REV 2 GC:500672,MA:G1N5    |                                                                                                                                     |               |                                                                                                                                                                                                                                                                                                                                                                     |            |                     |
| Reason:                                                    | Problem Description:                                                                                                                |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                               |            |                     |
| BASELINE                                                   | (I-12316-002)TANK REQUIRES ASSESSMENT IAW CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |               | ACCOMPLISH THE BALLAST TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |            |                     |

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| Task/Abbreviation: Q-12316-003-A-BLST TK - RPR |              |               | MJC: EXECQ025    |                   | Rev Date: 2/20/2009 |
| RCM Analysis:                                  | Scheduled: N | Sit Reqs:     | Qty: 20          | Removal Required: |                     |
| Lvl of Maint: 1                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                          |              | Repair Pool:  | MCC: 1           |                   |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-12316-003)TANK REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE BALLAST TANK. A. REPAIR _____ SQUARE FEET OF COATING SYSTEM USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. B. REPLACE _____ FEET DETERIORATED SOUNDING TUBES. C. REPLACE _____ STRIKER PLATES. D. CLAD WELD _____ SQUARE FEET OF WASTED PLATE. E. VEE OUT AND REWELD _____ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. F. CROP AND REPLACE _____ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. G. REMOVE AND REINSTALL _____ TONS OF BALLAST. H. AIR TEST AFTER STRUCTURAL REPAIRS. I. PROVIDE _____ MANDAYS AND _____ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER AN ASSOCIATED TLI SYSTEM REPAIR TASK IS NOT ACCOMPLISHED CONCURRENTLY. |

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| Task/Abbreviation: Q-12316-012- -BLST TANK (ENTIRE)- PSV |              |               | MJC: EXECJ059    |                   | Rev Date: 5/11/2008 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 0           | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                                    | Repair Pool: | MCC: 1        |                  |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                                           | Recommended Solution:                                                                                                                            |
| BASELINE | (Q-12316-012)TANK REQUIRES PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE BALLAST TANK INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |



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| Task/Abbreviation: Q-12316-013- -BLST TANK (PIPING)- PSV |              |               | MJC: EXECJ060    |                   | Rev Date: 5/11/2008 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 0           | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                                    | Repair Pool: | MCC: 1        |                  |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                              |
| BASELINE | (Q-12316-013)PIPING REQUIRES CLEANING AND PRESERVATION | CLEAN AND PRESERVE THE PIPING OF THE BALLAST TANK. CLEAN AND PRESERVE ____ LINEAR FEET OF ____ INCH OD PIPES. CLEAN THE PEELING AND FLAKING FLANGES AND PRESERVE . |

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**Task/Abbreviation:** Q-12316-014- -BLST TANK (STRUCTURAL) -REPAIR**MJC:** EXECJ061**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 0**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12316-014)BALLAST TANK REQUIRES  
STRUCTURAL REPAIRACCOMPLISH STRUCTURAL REPAIR TO THE BALLAST TANK, TO  
INCLUDE: A. CROP OUT AND REPLACE \_\_\_\_ LINEAR FEET OF  
BUCKLED T-BAR. B. CLEAN AREAS OF PITTING DOWN TO GOOD  
SOLID BARE METAL. C. REPAIR \_\_\_\_ INCH HOLE IN THE TANK  
PLATING. D. UT INSPECT TO DETERMINE THE MINIMUM PLATE  
THICKNESS. E. CLAD WELD \_\_\_\_ SQUARE INCHES OF  
WASTED/PITTED PLATE. F. REMOVE AND REPLACE \_\_\_\_ SQUARE  
FEET OF PLATING INCLUDING DECK, SHELL, AND BULKHEADS. G.  
CROP OUT \_\_\_\_ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER  
\_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. H.  
VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR  
CRACKED SEAMS AND BUTTS. PRIME AND PAINT REPAIRED AREAS.

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| Task/Abbreviation: Q-12316-016- -BLST TANK TOUCH UP - PSV |              |               | MJC: EXECJ063    |                   | Rev Date: 5/11/2008 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 0           | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25       | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 1           |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                                                                 | Recommended Solution:                                                                                                                                 |
| BASELINE | (Q-12316-016)TANK REQUIRES CLEANING AND TOUCH UP PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE (TOUCH UP) BALLAST TANK. REMOVE _____ SQUARE FEET OF SURFACE RUST, BLISTERING, AND COATING FAILURE TO BARE METAL. PRIME AND PAINT. |

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| <b>Task/Abbreviation:</b> I-12316-018- -BLST TK - DGTL IMAG ASSESS |                     |                      | <b>MJC:</b> EXECQCP9 |                          | <b>Rev Date:</b> 2/20/2009 |
| <b>RCM Analysis:</b>                                               | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> TBD      | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 3                                             | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b>    | <b>ManDays:</b> 1        | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                       |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 1        |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                    |
| BASELINE       | (I-12316-018)BALLAST TANK REQUIRES ASSESSMENT. | ACCOMPLISH ASSESSMENT OF THE BALLAST TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |

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| Task/Abbreviation: Q-12317-001-B-CONTAM OIL/WTR TK - GAS FREE |                                                                                                                                                                                                                            |               | MJC: EXECQ029                                                                                                                                                                                                                                  |             | Rev Date: 8/31/2011 |
| RCM Analysis:                                                 |                                                                                                                                                                                                                            | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                                      | Qty: 11     | Removal Required:   |
| Lvl of Maint: 1                                               | Freq: 0                                                                                                                                                                                                                    | Equip/Task: 1 | Matl Cost: 2,100                                                                                                                                                                                                                               | ManDays: 20 | Alt No:             |
| Referenced Authority:                                         |                                                                                                                                                                                                                            | Repair Pool:  | MCC: 1                                                                                                                                                                                                                                         |             |                     |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:700594,MA:2900        |                                                                                                                                                                                                                            |               |                                                                                                                                                                                                                                                |             |                     |
| Reason:                                                       | Problem Description:                                                                                                                                                                                                       |               | Recommended Solution:                                                                                                                                                                                                                          |             |                     |
| BASELINE                                                      | (Q-12317-001)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. |               | OPEN, CLEAN, AND GAS FREE THE CONTAMINATED OIL/WATER TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |             |                     |

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**Task/Abbreviation:** Q-12317-003-A-CONTAM OIL/WTR TK - RPR**MJC:** EXECQ026**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12317-003)CONTAMINATED OIL/WATER TANK  
REQUIRES REPAIRSACCOMPLISH THE FOLLOWING REPAIRS TO THE CONTAMINATED  
OIL/WATER TANK. TO INCLUDE A. REPLACE \_\_\_\_\_ FEET  
DETERIORATED SOUNDING TUBES. B. REPLACE \_\_\_\_\_ STRIKER  
PLATES. C. CLAD WELD \_\_\_\_\_ SQUARE FEET OF WASTED PLATE.  
D. VEE OUT AND REWELD \_\_\_\_\_ LINEAR FEET OF WASTED AND/OR  
CRACKED SEAMS AND BUTTS. E. CROP AND REPLACE \_\_\_\_\_  
SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. F.  
REMOVE AND REINSTALL \_\_\_\_\_ TONS OF BALLAST. G. AIR TEST  
AFTER STRUCTURAL REPAIRS. H. PROVIDE \_\_\_\_\_ MANDAYS AND \_\_\_\_\_  
DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT  
PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM  
HARDWARE REPAIR WHENEVER THE ASSOCIATED TLI SYSTEM  
REPAIR TASK IS NOT ACCOMPLISHED CONCURRENTLY.

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|------------------------------------------------------------------------|---------------------|----------------------|-------------------------|--------------------------|----------------------------|
| <b>Task/Abbreviation:</b> Q-12317-019- -CONTAM OIL/WTR TANK ENTIRE PSV |                     |                      | <b>MJC:</b> EXECJ064    |                          | <b>Rev Date:</b> 5/11/2008 |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 11          | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 1,250 | <b>ManDays:</b> 25       | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                           |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 1           |                          |                            |

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|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                                                                                                                                                    | <b>Recommended Solution:</b>                                                                                                                                    |
| BASELINE       | (Q-12317-019)TANK REQUIRES PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE CONTAMINATED OIL/WATER TANK INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |

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| Task/Abbreviation: Q-12317-020- -CONTAM OIL/WTR TANK PIPING PSV |              |               | MJC: EXECJ065  |                   | Rev Date: 5/11/2008 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 11        | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 333 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 1         |                   |                     |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                            |
| BASELINE | (Q-12317-020)CONTAMINATED OIL/WATER TANK PIPING REQUIRES WORK. | CLEAN AND PRESERVE THE PIPING OF THE CONTAMINATED OIL/WATER TANK. CLEAN AND PRESERVE ____ LINEAR FEET OF ____ INCH OD PIPES. CLEAN THE PEELING AND FLAKING FLANGES AND PRESERVE. |



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**Task/Abbreviation:** Q-12317-021- -CONTAM OIL/WTR TANK STRL RPR**MJC:** EXECJ066**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 24**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12317-021)CONTAMINATED OIL/WATER TANK  
REQUIRES REPAIR.ACCOMPLISH STRUCTURAL REPAIR TO THE CONTAMINATED  
OIL/WATER TANK: A. CROP OUT AND REPLACE \_\_\_\_ LINEAR FEET  
OF BUCKLED T-BAR. B. CLEAN AREAS OF PITTING DOWN TO GOOD  
SOLID BARE METAL. REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING.  
C. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. D.  
CLAD WELD \_\_ SQUARE INCHES OF WASTED/PITTED PLATE. E.  
REMOVE AND REPLACE \_\_\_\_ SQUARE FEET OF PLATING INCLUDING  
DECK, SHELL, AND BULKHEADS. F. CROP OUT \_\_ LINEAR FEET OF  
DAMAGED SHELL LONGL NUMBER \_\_\_\_\_ (SIZE T-BEAM) AND  
INSTALL NEW USING LIKE MATERIAL. G. VEE OUT AND REWELD \_\_\_\_  
LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. \_\_\_\_  
PRIME AND PAINT REPAIRED AREAS.

|                                                                 |              |               |                |                   |                     |
|-----------------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-12317-023- -CONTAM OIL/WTR TANK TCH UP PSV |              |               | MJC: EXECJ068  |                   | Rev Date: 5/11/2008 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 11        | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 333 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 1         |                   |                     |

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|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                                                                                                                                                        | Recommended Solution:                                                                                                                                                   |
| BASELINE | (Q-12317-023)CONTAMINATED OIL/WATER TANK REQUIRES CLEANING AND TOUCH UP PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE (TOUCH UP) THE CONTAMINATED OIL/WATER TANK. REMOVE ____ SQUARE FEET OF SURFACE RUST, BLISTERING, AND COATING FAILURE TO BARE METAL. PRIME AND PAINT. |

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**Task/Abbreviation:** I-12317-039- -CONTAM TK-ASSESS MRC G1N5**MJC:** EXECIEN5**Rev Date:** 8/25/2011**RCM Analysis:** 7/12/2004**Scheduled:** Y**Sit Reqs:****Qty:** 12**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**

(I-12317-039) TANK REQUIRES ASSESSMENT IAW  
NSTM REQUIREMENT AND CRITERIA OF THE  
CORROSION CONTROL INFORMATION  
MANAGEMENT SYSTEM (CCIMS)  
T-9630-AB-MMD-010

**Recommended Solution:**

ACCOMPLISH THE CONTAMINATED OIL/WATER TANK ASSESSMENT  
IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: CONDUCT  
ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS  
FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1.  
ENSURE TANKS ARE GAS FREE BEFORE ENTERING.

|                                                                     |  |                                                               |  |                      |  |                                                                                                |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> I-12317-043- -CONTAM TK - DGTL IMG ASSESS |  |                                                               |  | <b>MJC:</b> EXTYA910 |  | <b>Rev Date:</b> 2/20/2009                                                                     |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N                                           |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 12                                                                                 |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                              |  | <b>Freq:</b> 0                                                |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                              |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                                               |  | <b>Repair Pool:</b>  |  |                                                                                                |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>                                   |  |                      |  | <b>Recommended Solution:</b>                                                                   |  |                          |  |                |  |
| BASELINE                                                            |  | (I-12317-043)CONTAMINATED OIL/WATER TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE CONTAMINATED OIL/WATER TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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| Task/Abbreviation: I-12317-048- -JP5 CONTAM TK- ASSESS MRC G1N5 |                                                                                                                                                           |               | MJC: EXECIIE8                                                                                                                                                                                                                                                                                                                                                                   |            | Rev Date: 12/2/2008 |
| RCM Analysis:                                                   |                                                                                                                                                           | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                                                                                                                                                                       | Qty: 0     | Removal Required:   |
| Lvl of Maint: 3                                                 | Freq: 36                                                                                                                                                  | Equip/Task: 1 | Matl Cost:                                                                                                                                                                                                                                                                                                                                                                      | ManDays: 1 | Alt No:             |
| Referenced Authority:                                           |                                                                                                                                                           | Repair Pool:  | MCC: 1                                                                                                                                                                                                                                                                                                                                                                          |            |                     |
| RCM CERTIFIED REQUIREMENT CCAMM REV 2 GC:700595,MA:G1N5         |                                                                                                                                                           |               |                                                                                                                                                                                                                                                                                                                                                                                 |            |                     |
| Reason:                                                         | Problem Description:                                                                                                                                      |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |            |                     |
| BASELINE                                                        | (I-12317-048) TANK REQUIRES ASSESSMENT IAW NSTM REQUIREMENT AND CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |               | ACCOMPLISH THE JP5 CONTAMINATED/DRAIN TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: CONDUCT ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |            |                     |

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| Task/Abbreviation: Q-12317-050- -JP5 CONTAM TK - GAS FREE |                                                                                                                                                                                                        |               | MJC: EXTAA13                                                                                                                                                                                                                                   |             | Rev Date: 12/2/2008 |                   |
| RCM Analysis:                                             |                                                                                                                                                                                                        | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                                      |             | Qty: 0              | Removal Required: |
| Lvl of Maint: 3                                           | Freq: 36                                                                                                                                                                                               | Equip/Task: 1 | Matl Cost: 2,100                                                                                                                                                                                                                               | ManDays: 19 | Alt No:             |                   |
| Referenced Authority:                                     |                                                                                                                                                                                                        | Repair Pool:  |                                                                                                                                                                                                                                                | MCC: 1      |                     |                   |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:700595,MA:2900    |                                                                                                                                                                                                        |               |                                                                                                                                                                                                                                                |             |                     |                   |
| Reason:                                                   | Problem Description:                                                                                                                                                                                   |               | Recommended Solution:                                                                                                                                                                                                                          |             |                     |                   |
| BASELINE                                                  | (Q-12317-050)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IAW NSTM REQUIREMENT AND CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |               | OPEN, CLEAN, AND GAS FREE THE JP5 CONTAMINATED/DRAIN TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |             |                     |                   |

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| <b>Task/Abbreviation:</b> Q-12318-001-A-MOGAS TK - GAS FREE |                                                            |                      | <b>MJC:</b> EXECQ031                                                                                                                                                                                                          |                          | <b>Rev Date:</b> 7/30/2007 |
| <b>RCM Analysis:</b>                                        | <b>Scheduled:</b> N                                        | <b>Sit Reqs:</b>     | <b>Qty:</b> 4                                                                                                                                                                                                                 | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 1                                      | <b>Freq:</b> 0                                             | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 2,100                                                                                                                                                                                                       | <b>ManDays:</b> 22       | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                |                                                            | <b>Repair Pool:</b>  | <b>MCC:</b> 2                                                                                                                                                                                                                 |                          |                            |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:500950,MA:2900      |                                                            |                      |                                                                                                                                                                                                                               |                          |                            |
| <b>Reason:</b>                                              | <b>Problem Description:</b>                                |                      | <b>Recommended Solution:</b>                                                                                                                                                                                                  |                          |                            |
| BASELINE                                                    | (Q-12318-001)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE |                      | OPEN, CLEAN, AND GAS FREE THE MOGAS TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |                          |                            |

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| Task/Abbreviation: Q-12318-003- -MOGAS TK - RPR |         |               | MJC: EXECQ027    |             | Rev Date: 7/30/2007 |                   |
| RCM Analysis:                                   |         | Scheduled: N  | Sit Reqs:        |             | Qty: 4              | Removal Required: |
| Lvl of Maint: 1                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25 | Alt No:             |                   |
| Referenced Authority:                           |         | Repair Pool:  |                  | MCC: 2      |                     |                   |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-12318-003)TANK REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE MOGAS TANK. TO INCLUDE: A. REPAIR ____ SQUARE FEET OF COATING SYSTEM USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. B. REPLACE ____ FEET DETERIORATED SOUNDING TUBES. C. REPLACE ____ STRIKER PLATES. D. CLAD WELD ____ SQUARE FEET OF WASTED PLATE. E. VEE OUT AND REWELD ____ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. F. CROP AND REPLACE ____ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. G. REMOVE AND REINSTALL ____ TONS OF BALLAST. H. AIR TEST AFTER STRUCTURAL REPAIRS. H. PROVIDE ____ MANDAYS AND ____ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER THE ASSOCIATED TLI SYSTEM REPAIR IS NOT ACCOMPLISHED CONCURRENTLY. |



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**Task/Abbreviation:** Q-12318-005- -MOGAS TANK (STRL) - REPAIR**MJC:** EXECJ084**Rev Date:** 7/30/2007**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 0**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**(Q-12318-005)MOGAS TANK REQUIRES  
STRUCTURAL REPAIR**Recommended Solution:**

ACCOMPLISH STRUCTURAL REPAIR TO THE MOGAS TANK. CROP OUT AND REPLACE \_\_\_\_ LINEAR FEET OF BUCKLED T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD \_\_\_\_ SQUARE INCHES OF WASTED/PITTED PLATE. REMOVE AND REPLACE \_\_\_\_ SQUARE FEET OF PLATING INCLUDING DECK, SHELL, AND, BULKHEADS. CROP OUT \_\_\_\_ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER \_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS.

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| Task/Abbreviation: I-12318-007- -MOGAS TK - ASSESS MRC G1N5 |              |               | MJC: EXECIEN6 |                   | Rev Date: 8/20/2008 |
| RCM Analysis: 7/12/2004                                     | Scheduled: N | Sit Reqs:     | Qty: TBD      | Removal Required: |                     |
| Lvl of Maint: 3                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-12318-007)TANK REQUIRES ASSESSMENT IAW CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 | ACCOMPLISH THE MOGAS TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |

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| <b>Task/Abbreviation:</b> I-12318-008- -MOGAS TK - DGTl IMAG ASSESS |  |                                              |  | <b>MJC:</b> EXECIH50 |  | <b>Rev Date:</b> 7/30/2007                                                    |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N                          |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                              |  | <b>Freq:</b> 0                               |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                             |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                              |  | <b>Repair Pool:</b>  |  |                                                                               |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>                  |  |                      |  | <b>Recommended Solution:</b>                                                  |  |                          |  |                |  |
| BASELINE                                                            |  | (I-12318-008)MOGAS TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE MOGAS TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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| Task/Abbreviation: Q-12318-009- -MOGAS TANK - PIPING PSV |         |               | MJC: EXTYA937    |             | Rev Date: 10/5/2007 |
| RCM Analysis:                                            |         | Scheduled: N  | Sit Reqs:        | Qty: 3      | Removal Required:   |
| Lvl of Maint: 1                                          | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,200 | ManDays: 12 | Alt No:             |
| Referenced Authority:                                    |         | Repair Pool:  | MCC: 3           |             |                     |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                          |
| BASELINE | (Q-12318-009)THE PIPING OF THE MOGAS STORAGE TANK REQUIRES CLEANING AND PRESERVATION | CLEAN AND PRESERVE THE PIPING OF THE MOGAS STORAGE TANK. CLEAN AND PRESERVE ____ LF OF ____ INCH OD PIPES. CLEAN AND PRESERVE THE PEELING AND FLAKING FLANGES. |

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| Task/Abbreviation: Q-12318-010- -MOGAS TANK-ENTIRE PSV |              | MJC: EXECQCY0 | Rev Date: 10/5/2007 |                   |         |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4              | Removal Required: |         |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,800    | ManDays: 20       | Alt No: |
| Referenced Authority:                                  | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                                                                                                                                           | Recommended Solution:                                                                                                                                  |
| BASELINE | (Q-12318-010)TANK REQUIRES PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE MOGAS STORAGE TANK INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |

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| <b>Task/Abbreviation:</b> Q-12318-011- -MOGAS TANK - TOUCH UP & PSV |  |                                                                     |  | <b>MJC:</b> EXECQCY1 |  | <b>Rev Date:</b> 10/5/2007                                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N                                                 |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0                                                      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,200                                                                                                                                         |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                                                     |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                 |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>                                         |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                    |  |                          |  |                |  |
| BASELINE                                                            |  | (Q-12318-011)MOGAS TANK REQUIRES TOUCH UP CLEANING AND PRESERVATION |  |                      |  | CLEAN AND PRESERVE (TOUCH UP) MOGAS STORAGE TANK. CLEAN AND PRESERVE ____ SQ FT OF SURFACE RUST, BLISTERING AND COATING FAILURE TO BARE METAL, PRIME AND PAINT. |  |                          |  |                |  |

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| Task/Abbreviation: Q-12319-001-B-WASTE TANK - GAS FREE |                                                                                                                                                                                                                            |               | MJC: EXECQ033                                                                                                                                                                                                                 |             | Rev Date: 12/2/2008 |                   |
| RCM Analysis:                                          |                                                                                                                                                                                                                            | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                     |             | Qty: 1              | Removal Required: |
| Lvl of Maint: 1                                        | Freq: 72                                                                                                                                                                                                                   | Equip/Task: 1 | Matl Cost: 564                                                                                                                                                                                                                | ManDays: 20 | Alt No:             |                   |
| Referenced Authority:                                  |                                                                                                                                                                                                                            | Repair Pool:  |                                                                                                                                                                                                                               | MCC: 2      |                     |                   |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:500740,MA:2900 |                                                                                                                                                                                                                            |               |                                                                                                                                                                                                                               |             |                     |                   |
| Reason:                                                | Problem Description:                                                                                                                                                                                                       |               | Recommended Solution:                                                                                                                                                                                                         |             |                     |                   |
| BASELINE                                               | (Q-12319-001)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. |               | OPEN, CLEAN, AND GAS FREE THE WASTE TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |             |                     |                   |

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| Task/Abbreviation: Q-12319-003-A-WASTE TANK - RPR |         |               | MJC: EXECQBJ2    |             | Rev Date: 8/27/2007 |                   |
| RCM Analysis:                                     |         | Scheduled: N  | Sit Reqs:        |             | Qty: 1              | Removal Required: |
| Lvl of Maint: 1                                   | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25 | Alt No:             |                   |
| Referenced Authority:                             |         | Repair Pool:  |                  | MCC: 2      |                     |                   |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-12319-003)TANK REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE WASTE TANK. TO INCLUDE: A. REPLACE _____ FEET DETERIORATED SOUNDING TUBES. B. REPLACE _____ STRIKER PLATES. C. CLAD WELD _____ SQUARE FEET OF WASTED PLATE. D. VEE OUT AND REWELD _____ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. E. CROP AND REPLACE _____ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. F. REMOVE AND REINSTALL _____ TONS OF BALLAST. G. AIR TEST AFTER STRUCTURAL REPAIRS. H. PROVIDE _____ MANDAYS AND _____ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE REPAIR WHENEVER THE ASSOCIATED TLI SYSTEM REPAIR IS NOT ACCOMPLISHED CONCURRENTLY. |



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| <b>Task/Abbreviation:</b> Q-12319-005- -WASTE TANK - ENTIRE PSV |                     |                      | <b>MJC:</b> EXECJ086    |                          | <b>Rev Date:</b> 8/27/2007 |
| <b>RCM Analysis:</b>                                            | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 3           | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 1                                          | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 1,250 | <b>ManDays:</b> 25       | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                    |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 2           |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                                                                                                    | <b>Recommended Solution:</b>                                                                                                                   |
| BASELINE       | (Q-12319-005)TANK REQUIRES PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE WASTE TANK INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |

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| Task/Abbreviation: Q-12319-006- -WASTE TANK - PIPING PSV |         |               | MJC: EXECJ087    |             | Rev Date: 8/27/2007 |
| RCM Analysis:                                            |         | Scheduled: N  | Sit Reqs:        | Qty: 0      | Removal Required:   |
| Lvl of Maint: 1                                          | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,250 | ManDays: 25 | Alt No:             |
| Referenced Authority:                                    |         | Repair Pool:  | MCC: 2           |             |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                           |
| BASELINE | (Q-12319-006)PIPING REQUIRES CLEANING AND PRESERVATION | CLEAN AND PRESERVE THE PIPING OF THE WASTE TANK. CLEAN AND PRESERVE ____ LINEAR FEET OF ____ INCH OD PIPES. CLEAN THE PEELING AND FLAKING FLANGES AND PRESERVE. |

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**Task/Abbreviation:** Q-12319-007- -WASTE TANK - STRL RPR**MJC:** EXECJ088**Rev Date:** 8/27/2007**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 0**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12319-007)WASTE TANK REQUIRES  
STRUCTURAL REPAIRACCOMPLISH STRUCTURAL REPAIR TO THE WASTE TANK. CROP  
OUT AND REPLACE \_\_\_\_ LINEAR FEET OF BUCKLED T-BAR. CLEAN  
AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR \_\_\_\_  
INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE  
MINIMUM PLATE THICKNESS. CLAD WELD \_\_ SQUARE INCHES OF  
WASTED/PITTED PLATE. REMOVE AND REPLACE \_\_ SQUARE FEET  
OF PLATING INCLUDING DECK, SHELL, AND BULKHEADS. CROP OUT  
\_\_ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER \_\_\_\_  
(SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT  
AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED  
SEAMS AND BUTTS.

|                                                            |              |               |                |                   |                     |
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| Task/Abbreviation: Q-12319-009- -WASTE TANK - TOUCH UP PSV |              |               | MJC: EXECJ090  |                   | Rev Date: 9/14/2009 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 0         | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 333 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                                                                 | Recommended Solution:                                                                                                                                        |
| BASELINE | (Q-12319-009)TANK REQUIRES CLEANING AND TOUCH UP PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE (TOUCH UP) THE WASTE TANK. REMOVE _____ SQUARE FEET OF SURFACE RUST, BLISTERING, AND COATING FAILURE DOWN TO BARE METAL. PRIME AND PAINT. |

|                                                                      |  |                                                                                                                                     |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                   |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> I-12319-010- -WASTE TANK - ASSESS MRC G1N5 |  |                                                                                                                                     |  | <b>MJC:</b> EXECIEN7 |  | <b>Rev Date:</b> 7/23/2009                                                                                                                                                                                                                                                                                                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b> 7/12/2004                                       |  | <b>Scheduled:</b> Y                                                                                                                 |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                                                                                                                                                                                                                                                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                               |  | <b>Freq:</b> 72                                                                                                                     |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                                                 |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                                                                                                                                     |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                   |  | <b>MCC:</b> 2            |  |                |  |
| RCM CERTIFIED REQUIREMENT CCAMM REV 2 GC:500740,MA:G1N5              |  |                                                                                                                                     |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                   |  |                          |  |                |  |
| <b>Reason:</b>                                                       |  | <b>Problem Description:</b>                                                                                                         |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                      |  |                          |  |                |  |
| BASELINE                                                             |  | (I-12319-010)TANK REQUIRES ASSESSMENT IAW CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |  |                      |  | ACCOMPLISH THE WASTE TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> I-12319-011- -WASTE TANK - DCTL IMAG ASSESS |  |                                              |  | <b>MJC:</b> EXECIH37 |  | <b>Rev Date:</b> 8/27/2007                                                    |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                          |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                |  | <b>Freq:</b> 0                               |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                             |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                              |  | <b>Repair Pool:</b>  |  |                                                                               |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                  |  |                      |  | <b>Recommended Solution:</b>                                                  |  |                          |  |                |  |
| BASELINE                                                              |  | (I-12319-011)WASTE TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE WASTE TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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| Task/Abbreviation: Q-12319-012- -CHT TANK - GAS FREE |              |               | MJC: MXECQ002     |                      | Rev Date: 9/18/2008 |
| RCM Analysis:                                        | Scheduled: Y | Sit Reqs:     | Qty: 3            | Removal Required: NO |                     |
| Lvl of Maint: 1                                      | Freq: 48     | Equip/Task: 1 | Matl Cost: 27,600 | ManDays: 50          | Alt No:             |
| Referenced Authority:                                | Repair Pool: | MCC: 2        |                   |                      |                     |

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| Reason:  | Problem Description:                                                                                                                                                                                                       | Recommended Solution:                                                                                                                                                                                                       |
| BASELINE | (Q-12319-012)TANK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | OPEN, CLEAN, AND GAS FREE THE CHT TANK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |

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| Task/Abbreviation: I-12319-013- -CHT TANK - ASSESS MRC G1N5 |  |                                                                                                                                     | MJC: EXECIH68 |               | Rev Date: 9/18/2008 |                                                                                                                                                                                                                                                                                                                                                                 |                      |            |         |  |
| RCM Analysis:                                               |  | Scheduled: Y                                                                                                                        |               | Sit Reqs:     |                     | Qty: 3                                                                                                                                                                                                                                                                                                                                                          | Removal Required: NO |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 48                                                                                                                            |               | Equip/Task: 1 |                     | Matl Cost:                                                                                                                                                                                                                                                                                                                                                      |                      | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                       |  |                                                                                                                                     | Repair Pool:  |               |                     | MCC: 2                                                                                                                                                                                                                                                                                                                                                          |                      |            |         |  |
| RCM CERTIFIED REQUIREMENT CCAMM REV 2 GC:500746,MA:G1N5     |  |                                                                                                                                     |               |               |                     |                                                                                                                                                                                                                                                                                                                                                                 |                      |            |         |  |
| Reason:                                                     |  | Problem Description:                                                                                                                |               |               |                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                           |                      |            |         |  |
| BASELINE                                                    |  | (I-12319-013)TANK REQUIRES ASSESSMENT IAW CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010 |               |               |                     | ACCOMPLISH THE CHT TANK ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TANKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE TANKS ARE GAS FREE BEFORE ENTERING. |                      |            |         |  |



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| <b>Task/Abbreviation:</b> I-12319-014- -CHT TANK - DGTL IMAG ASSESS |  |                                            |  | <b>MJC:</b> EXECIH69 |  | <b>Rev Date:</b> 2/20/2009                                                  |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N                        |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0                                                               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                              |  | <b>Freq:</b> 0                             |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>                                                           |  | <b>ManDays:</b> 0        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                            |  | <b>Repair Pool:</b>  |  |                                                                             |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>                |  |                      |  | <b>Recommended Solution:</b>                                                |  |                          |  |                |  |
| BASELINE                                                            |  | (I-12319-014)CHT TANK REQUIRES ASSESSMENT. |  |                      |  | ACCOMPLISH ASSESSMENT OF THE CHT TANK UTILIZING DIGITAL IMAGING TECHNOLOGY. |  |                          |  |                |  |

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**Task/Abbreviation:** Q-12319-015- -CHT TANK - RPR**MJC:** EXECQCT5**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:****Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,500**ManDays:** 50**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12319-015)THE CHT TANK REQUIRES REPAIR AND PRESERVATION.

ACCOMPLISH THE FOLLOWING REPAIRS TO THE CHT TANK. ON COMPLETION OF REPAIRS, CLEAN, FLUSH, CHLORINATE AND PROVIDE CULTURE RESULTS. TO INCLUDE: A. REPAIR \_\_\_\_ SQUARE FEET OF COATING SYSTEM USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. B. REPLACE \_\_\_\_ FEET DETERIORATED SOUNDING TUBES C. REPLACE \_\_\_\_ STRIKER PLATES D. CLAD WELD \_\_\_\_ SQUARE FEET OF WASTED PLATE E. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. F. CROP AND REPLACE \_\_\_\_ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE TOGETHER WITH INTERNALS IN WAY OF G. REPLACE \_\_\_\_ DETERIORATED OR MISSING ANODES & HDW. H. PROVIDE \_\_\_\_ MANDAYS AND \_\_\_\_ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. I. AIR TEST AFTER STRUCTURAL REPAIRS. J. INSTALL ANODES IN ACCORDANCE WITH GENERAL SPECIFICATIONS FOR OVERHAUL (GSO) SHOULD NONE BE PRESENT IN THE TANK. NOTE: 1. ACCOMPLISH, IN TANK, TLI SYSTEM HARDWARE INSPECTION WHENEVER AN ASSOCIATED TLI SYSTEM INSPECT TASK IS NOT ACCOMPLISHED CONCURRENTLY.

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| Task/Abbreviation: Q-12319-016- -CHT TANK - ENTIRE PSV |              |               | MJC: EXECQCT6  |                   | Rev Date: 5/11/2008 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 750 | ManDays: 15       | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                                           | Recommended Solution:                                                                                                                        |
| BASELINE | (Q-12319-016)TANK REQUIRES PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE CHT TANK INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |

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| Task/Abbreviation: Q-12319-017- -CHT TANK - TOUCH UP PSV |  |              |  | MJC: EXECQCT7 |  | Rev Date: 5/11/2008 |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 350      |  | ManDays: 7        |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                                                                                                                                                                 | Recommended Solution:                                                                                                                                     |
| BASELINE | (Q-12319-017)TANK REQUIRES CLEANING AND TOUCH UP PRESERVATION IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE (TOUCH UP) THE CHT TANK. REMOVE _____ SQUARE FEET OF SURFACE RUST, BLISTERING, AND COATING FAILURE DOWN TO BARE METAL. PRIME AND PAINT |

|                                                               |  |                     |  |                      |  |                            |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> Q-12319-018- -CHT TANK - PIPING PSV |  |                     |  | <b>MJC:</b> EXECQCT8 |  | <b>Rev Date:</b> 5/11/2008 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 3              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,000    |  | <b>ManDays:</b> 25       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                          | <b>Recommended Solution:</b>                                                                                                                                  |
| BASELINE       | (Q-12319-018)CHT TANK PIPELINE REQUIRES PRESERVATION | CLEAN AND PRESERVE THE PIPING OF THE CHT TANK. CLEAN AND PRESERVE ____ LINEAR FEET OF ____ INCH OD PIPES. CLEAN THE PEELING AND FLAKING FLANGES AND PRESERVE. |

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**Task/Abbreviation:** Q-12319-019- -CHT TANK - STRL RPR**MJC:** EXECQCT9**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 3**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,250**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12319-019)CHT TANK REQUIRES STRUCTURAL REPAIRS

ACCOMPLISH STRUCTURAL REPAIR TO THE CHT TANK. CROP OUT AND REPLACE \_\_\_\_ LINEAR FEET OF BUCKLED T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD \_\_ SQUARE INCHES OF WASTED/PITTED PLATE. REMOVE AND REPLACE \_\_ SQUARE FEET OF PLATING INCLUDING DECK, SHELL, AND BULKHEADS. CROP OUT \_\_ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER \_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS.

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| Task/Abbreviation: Q-12321-001-A-FLOODABLE VOID/COFF - GAS FREE  |                                                                                                                                                                                                                                                |               | MJC: EXECQ068                                                                                                                                                                                                                               |            | Rev Date: 6/14/2007 |
| RCM Analysis:                                                    |                                                                                                                                                                                                                                                | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                                   | Qty: 35    | Removal Required:   |
| Lvl of Maint: 1                                                  | Freq: 129                                                                                                                                                                                                                                      | Equip/Task: 1 | Matl Cost: 250                                                                                                                                                                                                                              | ManDays: 8 | Alt No:             |
| Referenced Authority:                                            |                                                                                                                                                                                                                                                | Repair Pool:  | MCC: 1                                                                                                                                                                                                                                      |            |                     |
| NSTM CH 090R3, PARA. 1.4.3.1 NSTM CH-074 VOL 3 GC:500026,MA:2900 |                                                                                                                                                                                                                                                |               |                                                                                                                                                                                                                                             |            |                     |
| Reason:                                                          | Problem Description:                                                                                                                                                                                                                           |               | Recommended Solution:                                                                                                                                                                                                                       |            |                     |
| BASELINE                                                         | (Q-12321-001)FLOODABLE VOID/COFFERDAM REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. |               | OPEN, CLEAN, AND GAS FREE THE FLOODABLE VOID/COFFERDAM IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |            |                     |

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| Task/Abbreviation: I-12321-002-A-FLOODABLE VOID/COFF - MRC G1N5          |              |               | MJC: EXECM036 |                   | Rev Date: 5/21/2008 |
| RCM Analysis: 1/8/2007                                                   | Scheduled: Y | Sit Reqs:     | Qty: 35       | Removal Required: |                     |
| Lvl of Maint: 3                                                          | Freq: 129    | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                                    |              | Repair Pool:  | MCC: 1        |                   |                     |
| RCM CERTIFIED REQUIREMENT NSTM CH 090R3, PARA. 1.4.3.1 GC:500026,MA:G1N5 |              |               |               |                   |                     |

| Reason:  | Problem Description:                                                                                                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                             |
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| BASELINE | (I-12321-002)THE FLOODABLE VOID REQUIRES ASSESSMENT IN ACCORDANCE WITH CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | ACCOMPLISH FLOODABLE VOID ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR VOIDS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE VOIDS ARE GAS FREE BEFORE ENTERING. |



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| Task/Abbreviation: Q-12321-003-A-FLOODABLE VOID/COFF - RPR |              |               | MJC: EXECQ487    |                   | Rev Date: 2/20/2009 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 35          | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 25       | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-12321-003)VOID/COFFERDAM REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE FLOODABLE (ACCESSIBLE) VOID/COFFERDAM. TO INCLUDE: A. REPLACE _____ STRIKER PLATES. B. CLAD WELD _____ SQUARE FEET OF WASTED PLATE. C. VEE OUT AND REWELD _____ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. D. CROP AND REPLACE _____ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. E. REMOVE AND REINSTALL _____ TONS OF BALLAST. F. AIR TEST AFTER STRUCTURAL REPAIRS. G. PROVIDE _____ MANDAYS AND _____ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. |

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| Task/Abbreviation: Q-12321-005- -NON-FLOODABLE VOIDS- GAS FREE |         |               | MJC: EXECQ069 |             | Rev Date: 6/14/2007 |                   |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:     |             | Qty: 35             | Removal Required: |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 25 | Alt No:             |                   |
| Referenced Authority:                                          |         | Repair Pool:  |               | MCC: 3      |                     |                   |
| FLEET REQUIREMENTS NSTM CH-074 VOL 3 GC:500025,MA:2900         |         |               |               |             |                     |                   |

| Reason:  | Problem Description:                                                                                                                                                                                                                               | Recommended Solution:                                                                                                                                                                                                                           |
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| BASELINE | (Q-12321-005)NON-FLOODABLE VOID/COFFERDAM REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | OPEN, CLEAN, AND GAS FREE THE NON-FLOODABLE VOID/COFFERDAM IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |

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**Task/Abbreviation:** Q-12321-007- -NON-FLOODABLE VOIDS - RPR**MJC:** EXECQAQ0**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** TBD**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12321-007)NON-FLOODABLE (INACCESSIBLE)  
VOIDS REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE NON-FLOODABLE (INACCESSIBLE) VOID. TO INCLUDE: A. REPAIR \_\_\_\_ SQUARE FEET OF COATING SYSTEM, USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. B. REPLACE \_\_\_\_ STRIKER PLATES. C. CLAD WELD \_\_\_\_ SQUARE FEET OF WASTED PLATE. D. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. E. CROP AND REPLACE \_\_\_\_ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE. F. REMOVE AND REINSTALL \_\_\_\_ TONS OF BALLAST. G. AIR TEST AFTER STRUCTURAL REPAIRS. H. REPLACE DESSICANTS. I. PROVIDE \_\_\_\_ MANDAYS AND \_\_\_\_ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED.

Task/Abbreviation: Q-12321-008- -FLOODABLE VOID - STRL RPR

MJC: EXECJ006

Rev Date: 2/20/2009

RCM Analysis: Scheduled: N Sit Reqs:

Qty: 35

Removal Required:

Lvl of Maint: 1

Freq: 0

Equip/Task: 1

Matl Cost: 1,875

ManDays: 25

Alt No:

Referenced Authority:

Repair Pool:

MCC: 3

Reason:

Problem Description:

Recommended Solution:

BASELINE

(Q-12321-008)VOID/COFFERDAM REQUIRES  
STRUCTURAL REPAIR

STRUCTURALLY REPAIR FLOODABLE VOID/COFFERDAM. CROP OUT AND REPLACE \_\_\_\_ LNFT BUCKLED T-BAR. CLEAN AREAS OF PITTING DOWN TO GOOD SOLID BARE METAL. REPAIR \_\_\_\_ INCH HOLE IN THE TANK PLATING. UT INSPECT TO DETERMINE THE MINIMUM PLATE THICKNESS. CLAD WELD IF NECESSARY CLAD WELD \_\_\_\_ SQ INCHES OF WASTED/PITTED PLATE. REMOVE AND REPLACE \_\_\_\_ SQFT OF PLATING INCLUDING DECK, SHELL AND BULKHEADS. CROP OUT \_\_\_\_ LINEAR FEET OF DAMAGED SHELL LONGL NUMBER \_\_\_\_ (SIZE T-BEAM) AND INSTALL NEW USING LIKE MATERIAL. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. REMOVED DETERIORATED LADDER AND REPLACED WITH A NEW \_\_\_\_ LADDER AND ALL NEW MOUNTING BRACKETS. PRESERVE THE SEATING SURFACES OF THE COVER AND MANHOLE RING. REPLACE VOID COVER. NOTE: REPLACEMENT OF VOID COVER GASKETS AND FASTENERS ARE COVERED IN SWT 992-31. REPLACE \_\_\_\_ DESSICANT CANISTERS.

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**Task/Abbreviation:** I-12321-009- -NON-FLOODABLE VOID - MRC G1N5**MJC:** EXECIEN8**Rev Date:** 6/14/2007**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** TBD**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:**

BASELINE

**Problem Description:**

(I-12321-009)THE NON-FLOODABLE VOID REQUIRES ASSESSMENT IN ACCORDANCE WITH CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010.

**Recommended Solution:**

ACCOMPLISH NON-FLOODABLE VOID ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR VOIDS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE VOIDS ARE GAS FREE BEFORE ENTERING.

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| Task/Abbreviation: Q-12321-010- -FLOODABLE VD/COFF - ENTIRE PSV |              |               | MJC: EXECIH32    |                   | Rev Date: 8/3/2007 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 35          | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,750 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                                                                                                                                                                                              | Recommended Solution:                                                                                                                                              |
| BASELINE | (Q-12321-010)FLOODABLE VOID/COFFERDAM<br>REQUIRES PRESERVATION IN ACCORDANCE WITH<br>CRITERIA OF NAVSEA TECHNICAL PUBLICATION<br>CORROSION CONTROL INFORMATION<br>MANAGEMENT SYSTEM (CCIMS)<br>T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE FLOODABLE VOID/COFFERDAM<br>INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN<br>ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |

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| Task/Abbreviation: Q-12321-011- -FLOODABLE VOID - TCH UP PSV |              |               | MJC: EXECIH33  |                   | Rev Date: 8/3/2007 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 35        | Removal Required: |                    |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 750 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                                                                                                                                                    | Recommended Solution:                                                                                                                                                       |
| BASELINE | (Q-12321-011)FLOODABLE VOID/COFFERDAM<br>REQUIRES CLEANING AND TOUCH UP<br>PRESERVATION IN ACCORDANCE WITH CRITERIA<br>OF NAVSEA TECHNICAL PUBLICATION CORROSION<br>CONTROL INFORMATION MANAGEMENT SYSTEM<br>(CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE (TOUCH UP) FLOODABLE VOID/COFFERDAM.<br>CLEAN AND PRESERVE ____ SQ FT OF SURFACE RUST, BLISTERING<br>AND COATING FAILURE TO BARE METAL, PRIME AND PAINT. |

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| Task/Abbreviation: I-12321-012- -FLOODABLE VD- DGTl IMAG ASSESS |                                                  |                                                                                   | MJC: EXECIH38 |            | Rev Date: 2/20/2009 |
| RCM Analysis:                                                   |                                                  | Scheduled: N                                                                      | Sit Reqs:     | Qty: 35    | Removal Required:   |
| Lvl of Maint: 3                                                 | Freq: 0                                          | Equip/Task: 1                                                                     | Matl Cost:    | ManDays: 1 | Alt No:             |
| Referenced Authority:                                           |                                                  | Repair Pool:                                                                      | MCC: 1        |            |                     |
| Reason:                                                         | Problem Description:                             | Recommended Solution:                                                             |               |            |                     |
| BASELINE                                                        | (I-12321-012)FLOODABLE VOID REQUIRES ASSESSMENT. | ACCOMPLISH ASSESSMENT OF THE FLOODABLE VOID UTILIZING DIGITAL IMAGING TECHNOLOGY. |               |            |                     |



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| <b>Task/Abbreviation:</b> Q-12321-013- -FLOODABLE VOID - DSCC REPL |  |                                                                 |  | <b>MJC:</b> EXECIH51 |  | <b>Rev Date:</b> 8/3/2007             |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                                             |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 35                        |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0                                                  |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,000               |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                                                 |  | <b>Repair Pool:</b>  |  |                                       |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                                     |  |                      |  | <b>Recommended Solution:</b>          |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-12321-013)FLOODABLE VOID DESICCANTS<br>REQUIRES REPLACEMENT. |  |                      |  | REPLACE DESICCANTS IN FLOODABLE VOID. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> I-12321-014- -AHR CHAIN LKR (DD) -DGTL IMAG |  |                     |  | <b>MJC:</b> OXECI055 |  | <b>Rev Date:</b> 2/20/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> Y |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                |  | <b>Freq:</b> 129    |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 1            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                  | <b>Recommended Solution:</b>                                                              |
| BASELINE       | (I-12321-014)THE ANCHOR CHAIN LOCKER<br>REQUIRES ASSESSMENT. | ACCOMPLISH ASSESSMENT OF THE ANCHOR CHAIN LOCKER<br>UTILIZING DIGITAL IMAGING TECHNOLOGY. |

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**Task/Abbreviation:** I-12321-015- -AHR CHAIN LKR/SUMP - MRC G1N5**MJC:** OXECI057**Rev Date:** 3/18/2010**RCM Analysis:** 1/8/2007**Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:**

BASELINE

**Problem Description:**

(I-12321-015)THE ANCHOR CHAIN LOCKER/SUMP VOID REQUIRES ASSESSMENT IN ACCORDANCE WITH CRITERIA OF THE CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010.

**Recommended Solution:**

ACCOMPLISH ANCHOR CHAIN LOCKER/SUMP VOID ASSESSMENT IN ACCORDANCE WITH MRC G1N5 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR VOIDS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ENSURE VOIDS ARE GAS FREE BEFORE ENTERING.

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**Task/Abbreviation:** Q-12321-016- -AHR CHAIN LKR/SUMP - RPR**MJC:** OXECQ033**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 6,750**ManDays:** 150**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12321-016)ANCHOR CHAIN LOCKER/SUMP  
REQUIRES REPAIR AND PRESERVATION

ACCOMPLISH THE FOLLOWING REPAIRS TO EACH CHAIN LOCKER/SUMP, TO INCLUDE: A. REMOVE \_\_\_\_ SQUARE FEET OF (WELDED) SHEATHING. B. CLAD WELD \_\_\_\_ SQUARE INCHES OF DETERIORATED PLATE. C. VEE OUT AND WELD \_\_\_\_ LINEAR FEET OF DETERIORATED AND DAMAGED WELDS. D. REPLACE \_\_\_\_ SQUARE FEET OF DETERIORATED PLATING, INCLUDING FRAMING. E. REPLACE \_\_\_\_ SQUARE FEET OF GRATING PANELS INCLUDING HARDWARE. F. REPLACE \_\_\_\_ SQUARE FEET OF SHEATHING. NOTE: 1. UTILIZE SWT 631-12 FOR GUIDANCE IN DEVELOPING THIS ITEM. 2. REPAIRS ARE TO BE DETERMINED BY ASSESSMENT TASK I-12321-15. DDG-51 CLASS SHIPS DO NOT HAVE PORTABLE METAL OR WOOD SHEATHING.

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| Task/Abbreviation: Q-12321-017- -AHR CHAIN LKR/SUMP- ENTIRE PSV |         |               | MJC: OXECQ036    |              | Rev Date: 8/7/2007 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:        | Qty: 2       | Removal Required:  |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 6,750 | ManDays: 150 | Alt No:            |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 2           |              |                    |

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| Reason:  | Problem Description:                                                                                                                                                                                              | Recommended Solution:                                                                                                                                              |
| BASELINE | (Q-12321-017)ANCHOR CHAIN LOCKER/SUMP<br>REQUIRES PRESERVATION IN ACCORDANCE WITH<br>CRITERIA OF NAVSEA TECHNICAL PUBLICATION<br>CORROSION CONTROL INFORMATION<br>MANAGEMENT SYSTEM (CCIMS)<br>T-9630-AB-MMD-010. | CLEAN AND PRESERVE THE ENTIRE ANCHOR CHAIN LOCKER/SUMP<br>INTERNALS, INCLUDING UNDERSIDE OF THE MANHOLE COVERS, IN<br>ACCORDANCE WITH NAVSEA STANDARD ITEM 009-32. |

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| Task/Abbreviation: Q-12321-018- -AHR CHAIN LKR/SUMP- TCH UP PSV |              |               | MJC: OXECQ037    |                   | Rev Date: 8/7/2007 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 6,750 | ManDays: 150      | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                                                                                                                                                                                                                    | Recommended Solution:                                                                                                                                                       |
| BASELINE | (Q-12321-018)ANCHOR CHAIN LOCKER/SUMP<br>REQUIRES CLEANING AND TOUCH UP<br>PRESERVATION IN ACCORDANCE WITH CRITERIA<br>OF NAVSEA TECHNICAL PUBLICATION CORROSION<br>CONTROL INFORMATION MANAGEMENT SYSTEM<br>(CCIMS) T-9630-AB-MMD-010. | CLEAN AND PRESERVE (TOUCH UP) ANCHOR CHAIN LOCKER/SUMP.<br>CLEAN AND PRESERVE ____ SQ FT OF SURFACE RUST, BLISTERING<br>AND COATING FAILURE TO BARE METAL, PRIME AND PAINT. |

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| Task/Abbreviation: Q-12321-021- -AHR CHAIN LKR - GAS FREE |              |               | MJC: OXECI062  |                   | Rev Date: 4/24/2009 |
| RCM Analysis:                                             | Scheduled: Y | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 129    | Equip/Task: 1 | Matl Cost: 250 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 1         |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                                                                                                            | Recommended Solution:                                                                                                                                                                                                                       |
| BASELINE | (I-12321-021) ANCHOR CHAIN LOCKER VOID REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | OPEN, CLEAN, AND GAS FREE THE ANCHOR CHAIN LOCKER VOID IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |

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| Task/Abbreviation: Q-12322-007- -TRUNKS - GAS FREE |              |               | MJC: EXECQBF3  |                   | Rev Date: 2/2/2011 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 250 | ManDays: 5        | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                                                                                                                                        | Recommended Solution:                                                                                                                                                                                                    |
| BASELINE | (Q-12322-007)TRUNK REQUIRES TO BE OPEN, CLEAN, AND GAS FREE TO FACILITATE ASSESSMENT IN ACCORDANCE WITH CRITERIA OF NAVSEA TECHNICAL PUBLICATION CORROSION CONTROL INFORMATION MANAGEMENT SYSTEM (CCIMS) T-9630-AB-MMD-010. | OPEN, CLEAN, AND GAS FREE THE TRUNK IN SUPPORT OF ASSESSMENT BY GOVERNMENT ASSESSMENT TEAM. CERTIFY AND MAINTAIN ATMOSPHERE SAFE FOR WORKERS. COORDINATE THIS TASK WITH ALL OTHER SPACES OPENED DURING THE AVAILABILITY. |



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**Task/Abbreviation:** Q-12322-009- -TRUNKS - RPR**MJC:** EXECQBF4**Rev Date:** 2/20/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** TBD**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 500**ManDays:** 8**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-12322-009)TRUNK REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO TRUNK. TO INCLUDE: A. REPAIR \_\_\_\_ SQUARE FEET OF COATING SYSTEM, USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. B. CLAD WELD \_\_\_\_ SQUARE FEET OF WASTED PLATE C. VEE OUT AND REWELD \_\_\_\_ LINEAR FEET OF WASTED AND/OR CRACKED SEAMS AND BUTTS. D. CROP AND REPLACE \_\_\_\_ SQUARE FEET OF DETERIORATED AND/OR BUCKLED PLATE TOGETHER WITH INTERNALS IN WAY OF D. PROVIDE \_\_\_\_ MANDAYS AND \_\_\_\_ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. D. AIR TEST AFTER STRUCTURAL REPAIRS.

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| Task/Abbreviation: I-12322-010- -TRUNK/ENCL - MRC G1N6 |              |               | MJC: EXECIEN9 |                   | Rev Date: 6/6/2008 |
| RCM Analysis: 7/12/2004                                | Scheduled: N | Sit Reqs:     | Qty: TBD      | Removal Required: |                    |
| Lvl of Maint: 3                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 8        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-12322-010)THE TRUNK AND ENCLOSURE REQUIRES ASSESSMENT. | ACCOMPLISH THE TRUNK AND ENCLOSURE ASSESSMENT IN ACCORDANCE WITH MRC G1N6 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR TRUNKS AND ENCLOSURES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: K-13011-003- -SHIPALT LHA1-00636K - ACCOMP |         |               | MJC: EXSAK202     |               | Rev Date: 11/2/2005   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:         | Qty: 1        | Removal Required: NO  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 45,000 | ManDays: 1085 | Alt No: SALHA 00636 K |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3            |               |                       |

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| Reason:  | Problem Description: | Recommended Solution:                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (K-13011-3) FMP      | ACCOMPLISH SHIPALT LHA1-00636K WHICH IMPROVES SURVIVABILITY OF SHIP IN EVENT OF FUEL SPILL. WORK REQUIREMENTS INCLUDE MODIFYING EXISTING DRAIN TROUGHS, FLIGHT DECK WATERWAY BARS AND DRAINS, PROVIDING PORTABLE GRATING IN WATERWAY BARS IN WAY OF BOMB JETTISONING RAMPS AND CATWALK ACCESS PLATFORMS, AND REPLACING HESS TRUNK DRAINS. |

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| Task/Abbreviation: I-13011-014- -FLT/HELICOPTER DK - MRC G1N6 |              |               | MJC: EXECIFA9 |                   | Rev Date: 7/30/2007 |
| RCM Analysis: 7/12/2004                                       | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 8        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-13011-014)THE FLIGHT AND HELICOPTER DECK REQUIRES ASSESSMENT. | ACCOMPLISH THE FLIGHT AND HELICOPTER DECK ASSESSMENT IN ACCORDANCE WITH MRC G1N6 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR FLIGHT AND HELICOPTER DECKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-13011-015- -DECKS - MRC G1N6 |  |              | MJC: EXECIG64 |               | Rev Date: 7/30/2007 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                           |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: TBD   | Removal Required: |            |         |  |
| Lvl of Maint: 3                                   |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 8 | Alt No: |  |
| Referenced Authority:                             |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                |
| BASELINE | (I-13011-015)THE DECK REQUIRES ASSESSMENT. | ACCOMPLISH DECK ASSESSMENT IN ACCORDANCE WITH MRC G1N6 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR DECKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-13011-019- -DECKS - RPR/REPL |              |               | MJC: EXECQE86 |                   | Rev Date: 3/30/2010 |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: TBD      | Removal Required: |                     |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No:             |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-13011-019)THE DECK REQUIRES REPAIR/REPLACEMENT. | ACCOMPLISH THE REPAIR/REPLACEMENT OF THE DECK PER THE CONDITION ASSESSMENT RECOMMENDATIONS (AS APPLICABLE):<br>A. CROP AND RENEW _____ SQ. FT. OF THE DECK WITH NEW PLATE.<br>B. REPAIR _____ SQ. FT. OF COATING SYSTEM USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. C. REPAIR/REPLACE _____ LINEAR FT. OF COAMING. |

|                                                           |              |               |               |                   |                      |
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| Task/Abbreviation: I-15011-024- -SUPERSTR/FTGS - MRC G1N6 |              |               | MJC: EXECIF95 |                   | Rev Date: 11/16/2007 |
| RCM Analysis: 7/12/2004                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                           | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2        | Alt No:              |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 1        |                   |                      |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-15011-024)THE SUPERSTRUCTURE AND FITTINGS REQUIRES ASSESSMENT. | ACCOMPLISH THE SUPERSTRUCTURE ASSESSMENT IN ACCORDANCE WITH MRC G1N6 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR SUPERSTRUCTURE AND FITTINGS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                            |              |               |               |                   |                    |
|------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: Q-15011-031- -SUPERSTRUCTURE DECK - RPR |              |               | MJC: EXECQEA2 |                   | Rev Date: 3/2/2010 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: TBD      | Removal Required: |                    |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 1        |                   |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                              |
| BASELINE | (I-15011-031)THE SUPERSTRUCTURE DECK REQUIRES REPAIR. | ACCOMPLISH THE REPAIR OF THE SUPERSTRUCTURE DECK PER THE CONDITION ASSESSMENT RECOMMENDATIONS (AS APPLICABLE): A. CROP AND RENEW ____ SQ. FT. OF THE DECK WITH NEW PLATE. B. REPAIR ____ SQ. FT. OF COATING SYSTEM USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. |



|                                                               |              |               |               |                   |                      |
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| Task/Abbreviation: I-16211-001- -STACK/MACK STRUCT - MRC G1N6 |              |               | MJC: EXECIEM2 |                   | Rev Date: 11/16/2007 |
| RCM Analysis: 7/12/2004                                       | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2        | Alt No:              |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 1        |                   |                      |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-16211-001)THE STACK AND MACK STRUCTURE REQUIRES ASSESSMENT. | ACCOMPLISH THE STACK AND MACK STRUCTURE ASSESSMENT IN ACCORDANCE WITH MRC G1N6 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR STRUCTURAL SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> I-16311-001- -(M)SEA CHESTS (DD) - INSP          |                                   |                     |                      | <b>MJC:</b> EXECM037                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    | <b>Rev Date:</b> 2/20/2009 |                          |
| <b>RCM Analysis:</b>                                                       |                                   | <b>Scheduled:</b> Y | <b>Sit Reqs:</b> D/D |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Qty:</b> TBD    |                            | <b>Removal Required:</b> |
| <b>Lvl of Maint:</b> 1                                                     |                                   | <b>Freq:</b> 129    | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>ManDays:</b> 15 |                            | <b>Alt No:</b>           |
| <b>Referenced Authority:</b>                                               |                                   |                     | <b>Repair Pool:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>MCC:</b> 1      |                            |                          |
| NSTM CH-505, PARA. 505-9.19.2 NSTM CH-997, PARA. 997-4.1 GC:801360,MA:1300 |                                   |                     |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |                            |                          |
| <b>Reason:</b>                                                             | <b>Problem Description:</b>       |                     |                      | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                            |                          |
| BASELINE                                                                   | (I-16311-001)NSTM REQUIREMENT DUE |                     |                      | IAW NSTM CH-505 PARA. 505-9.19.2 AND NSTM CH-997 PARA. 997-4.1, INSPECT THE SEA CHESTS FROM EXTERIOR OF SHELL PLATING CONNECTION UP TO, BUT EXCLUDING, FIRST SEA VALVE AND GASKET. ACCOMPLISH REMOVALS OF SPLITTER BARS AND STRAINER PLATES. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF INSPECTION AND/OR REPAIRS, REINSTALL SPLITTER BARS AND STRAINER PLATES USING NEW FASTENERS. TO INCLUDE (AS APPLICABLE): A. GRATINGS B. SPLITTER BARS C. STEAMING-OUT CONNECTIONS (TO FIRST FLANGE) D. STRAINER PLATES E. WASTER SLEEVES WITH SLEEVES OF AT LEAST 3/4 INCH THICKNESS F. ZINC ANODES G. PROVIDE ___ NDT READINGS AS DESIGNATED. H. BUBBLE SHIELDS. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |                    |                            |                          |

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| <b>Task/Abbreviation:</b> Q-16311-002- -SEA CHESTS (DD) - RPR |  |                     |                      | <b>MJC:</b> EXECQ030     |                     | <b>Rev Date:</b> 2/20/2009 |                          |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N | <b>Sit Reqs:</b> D/D |                          | <b>Qty:</b> X       |                            | <b>Removal Required:</b> |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0      | <b>Equip/Task:</b> X | <b>Matl Cost:</b> 13,500 | <b>ManDays:</b> 300 | <b>Alt No:</b>             |                          |
| <b>Referenced Authority:</b>                                  |  |                     | <b>Repair Pool:</b>  |                          | <b>MCC:</b> 1       |                            |                          |

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| <b>Reason:</b> | <b>Problem Description:</b>            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                              |
| BASELINE       | (Q-16311-002)SEA CHESTS REQUIRE REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE SEA CHESTS PER<br>CONDITION ASSESSMENT/ AUTHORIZED RECOMMENDATIONS. TO<br>INCLUDE (AS APPLICABLE): A. CLAD WELD _____ SQUARE FEET. B.<br>VEE OUT AND REWELD _____ FEET OF WASTED SEAMS. C.<br>CROPOUT AND REPLACE _____ SQUARE FEET OF DISTORTED<br>AND/OR WASTED PLATE. D. REPLACE ALL ZINC ANODES. E. REPAIR<br>BUBBLE SHIELDS. |

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| <b>Task/Abbreviation:</b> D-16711-005- -SHIPALT LHA1-00913D - ACCOMP |  |                     |  | <b>MJC:</b> DXSAD008 |  | <b>Rev Date:</b> 7/7/2009 |  |                             |  |                              |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> NO |  |                              |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 50,000  |  | <b>ManDays:</b> 300         |  | <b>Alt No:</b> SALHA 00913 D |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3               |  |                              |  |

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| <b>Reason:</b> | <b>Problem Description:</b>          | <b>Recommended Solution:</b>                                                                                                                                 |
| BASELINE       | (D-16711-5) TYCOM AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-913D "QAWT FLUSH SCUTTLE MODS" WHICH REPLACES ALL FLUSH DECK SCUTTLES WITH SCUTTLES MADE IN ACCORDANCE WITH LATEST SCUTTLE DRAWINGS. |

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**Task/Abbreviation:** I-16711-024- -WTRTT/AIRTIGHT DRS - MRC 9JJB**MJC:** EXECIC03**Rev Date:** 7/30/2007**RCM Analysis:** 8/2/2004**Scheduled:** N**Sit Reqs:****Qty:** TBD**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-16711-024)THE STEEL WATERTIGHT/AIRTIGHT DOORS (QUICK ACTING) STRUCTURE REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE WATERTIGHT/AIRTIGHT DOOR STRUCTURE ASSESSMENT IN ACCORDANCE WITH MRC 9JJB AS FOLLOWS: 1. INSPECT, CLEAN AND LUBRICATE STEEL WATERTIGHT/AIRTIGHT DOORS (QUICK ACTING). 2. PERFORM CHALK TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-16711-027- -WTRTT/AIRTIGHT DRS - MRC 9JJE |              |               | MJC: EXECIC06 |                   | Rev Date: 6/28/2005 |
| RCM Analysis: 8/2/2004                                         | Scheduled: N | Sit Reqs:     | Qty: TBD      | Removal Required: |                     |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-16711-027)THE STEEL WATERTIGHT/AIRTIGHT DOORS (INDIVIDUALLY DOGGED) STRUCTURE REQUIRES ASSESSMENT. | ACCOMPLISH THE HULL STRUCTURE ASSESSMENT IN ACCORDANCE WITH MRC 9JJE AS FOLLOWS: 1. INSPECT, CLEAN, AND LUBRICATE STEEL WATERTIGHT/AIRTIGHT DOORS (INDIVIDUALLY DOGGED). 2. PERFORM TEST PROCEDURE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> D-16911-001- -SHIPALT LHA1-00952D - ACCOMP |  |                     |  | <b>MJC:</b> DXSAD011 |  | <b>Rev Date:</b>         |  |                             |  |                              |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1            |  | <b>Removal Required:</b> NO |  |                              |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 10,000 |  | <b>ManDays:</b> 250         |  | <b>Alt No:</b> SALHA 00952 D |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                          |  | <b>MCC:</b> 3               |  |                              |  |

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| <b>Reason:</b> | <b>Problem Description:</b>          | <b>Recommended Solution:</b>                                                                                                                                        |
| BASELINE       | (D-16911-1) TYCOM AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-952D "DECK EDGE ACE DOOR UPGRADE - M/L" WHICH WILL REDUCE MAINTENANCE ON AND INCREASE RELIABILITY OF THE DECK EDGE AIRCRAFT ELEVATOR DOORS. |

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| Task/Abbreviation: I-17111-007- -MASTS - ASSESS MRC G1N6 |  |              | MJC: EXECIFB4 |               | Rev Date: 12/12/2008 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                  |  | Scheduled: N |               | Sit Reqs:     |                      | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                          |  | Freq: 0      |               | Equip/Task: 1 |                      | Matl Cost: |                   | ManDays: 2 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool:  |               |                      | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-17111-007) THE MAST REQUIRES ASSESSMENT. | ACCOMPLISH THE MAST ASSESSMENT IN ACCORDANCE WITH MRC G1N6 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE FOR STRUCTURAL SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| <b>Task/Abbreviation:</b> K-19111-001- -SHIPALT LHA1-00611K - ACCOMP |  |                     |  | <b>MJC:</b> EXSAK201 |  | <b>Rev Date:</b>          |  |                             |  |                              |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> NO |  |                              |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 100,000 |  | <b>ManDays:</b> 1000        |  | <b>Alt No:</b> SALHA 00611 K |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3               |  |                              |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                      | <b>Recommended Solution:</b>                                                                                         |
| BASELINE       | (K-19111-1) SHIPALT LHA1-0611K, WEIGHT AND MOMENT COMPENSATION, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-0611K WHICH REMOVES UNNECESSARY EQUIPMENT AND ADDS BALLAST TO MAINTAIN THE PROPER STABILITY. |

|                                                                 |         |               |                    |               |                        |                   |
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| Task/Abbreviation: K-19111-018- -SHIPALT LHA1-00611.4K - ACCOMP |         |               | MJC: EXSAK844      |               | Rev Date: 4/14/2008    |                   |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:          |               | Qty: 1                 | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 100,000 | ManDays: 1000 | Alt No: SALHA 00611.4K |                   |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 1             |               |                        |                   |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                            |
| BASELINE | (K-19111-18) SHIPALT LHA1-00611.4K, WEIGHT AND MOMENT COMPENSATION, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-00611.4K WHICH REMOVES SECTIONS OF THE MONORAIL SYSTEM TO MAINTAIN THE PROPER STABILITY. |

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|-----------------------------------------------------------------|---------------------|----------------------|----------------------|--------------------------|----------------------------|
| <b>Task/Abbreviation:</b> A-22110-021- -AER LHA1-00102 - ACCOMP |                     |                      | <b>MJC:</b> EXTYA861 |                          | <b>Rev Date:</b> 9/7/2005  |
| <b>RCM Analysis:</b>                                            | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1        | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 1                                          | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b>    | <b>ManDays:</b>          | <b>Alt No:</b> TYLHA 00102 |
| <b>Referenced Authority:</b>                                    |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3        |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                                        | <b>Recommended Solution:</b>                                                                                                                                                                      |
| BASELINE       | (A-22110-21) AER LHA1-00102, INSTALL A FURNACE AND PERISCOPE CAMERA SYSTEM IN PROPULSION BOILERS, NOT ACCOMPLISHED | AER LHA1-00102 WHICH SOLVES REPORTED RELIABILITY AND FUNCTIONAL PROBLEMS WITH INSTALLED WAGER SMOKE INDICATING SYSTEMS BY INSTALLING A FURNACE AND PERISCOPE CAMERA SYSTEM IN PROPULSION BOILERS. |

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| <b>Task/Abbreviation:</b> D-22110-022- -SHIPALT LHA1-01089D - ACCOMP |                     |                      | <b>MJC:</b> EXSAD470    |                          | <b>Rev Date:</b> 9/8/2005    |
| <b>RCM Analysis:</b>                                                 | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1           | <b>Removal Required:</b> |                              |
| <b>Lvl of Maint:</b> 1                                               | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 4,000 | <b>ManDays:</b> 24       | <b>Alt No:</b> SALHA 01089 D |
| <b>Referenced Authority:</b>                                         |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3           |                          |                              |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                     | <b>Recommended Solution:</b>                                                            |
| BASELINE       | (D-22110-22) SHIPALT LHA1-01089D, BLR WINDBOX AIRFLOW BAFFLES, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01089D WHICH INSTALLS PERFORATED BAFFLES IN THE BOILER WINDBOX. |

|                                                          |  |              |                |                   |              |                      |                   |  |
|----------------------------------------------------------|--|--------------|----------------|-------------------|--------------|----------------------|-------------------|--|
| Task/Abbreviation: A-22110-025- -AER LHA1-00202 - ACCOMP |  |              |                | MJC: EXTYA871     |              | Rev Date: 12/14/2005 |                   |  |
| RCM Analysis:                                            |  | Scheduled: N | Sit Reqs:      |                   | Qty: 2       |                      | Removal Required: |  |
| Lvl of Maint: 1                                          |  | Freq: 0      | Equip/Task: 01 | Matl Cost: 20,000 | ManDays: 100 | Alt No: TYLHA 00202  |                   |  |
| Referenced Authority:                                    |  |              | Repair Pool:   |                   | MCC: 3       |                      |                   |  |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (A-22110-25) AER LHA1-0202E, REPLACE THE BOILER WINDBOX PRESSURE INDICATING SYSTEM, NOT ACCOMPLISHED | ACCOMPLISH AER LHA1-0202E "REPLACE THE BOILER WINDBOX PRESSURE INDICATING SYSTEM" WHICH REPLACES THE EXISTING HAYES MECHANICAL WINDBOX PRESSURE INDICATOR WITH A DIGITAL INDICATING SYSTEM. THE DIGITAL SYSTEM CONSISTS OF A SMAR INTERNATIONAL "SMART" ELECTRONIC TRANSMITTER THAT WILL GENERATE A 4-20MA PROCESS SIGNAL PROPORTIONAL TO BOILER WINDBOX PRESSURE. THE WINDBOX PRESSURE WILL THEN BE DISPLAYED AT THE BOILER BURNER FRONT USING WESCHLER INSTRUMENTS DIGITAL METERS. |

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**Task/Abbreviation:** D-22110-031- -SHIPALT LHA1-74054D - ACCOMP**MJC:** EXSAD600**Rev Date:** 2/28/2008**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 10**ManDays:** 10**Alt No:** SALHA 74054 D**Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(D-22110-31) SHIPALT LHA1-74054D, STACK GAS ANALYZER REPLACEMENT, NOT ACCOMPLISHED

ACCOMPLISH SHIPALT LHA1-74054D WHICH IS A REPLACEMENT OF EXISTING STACK GAS ANALYZER (SGA) UNIT NO LONGER SUPPORTED BY THE ORIGINAL MANUFACTURER. SGA MEASURES PERCENT OXYGEN IN STACK GASES. EXCESS COMBUSTION AIR IS DIRECTLY PROPORTIONAL TO THE AMOUNT OF OXYGEN. EXCESS AIR COOLS COMBUSTION GASES, DECREASES HEAT TRANSFER EFFECTIVENESS, AND GENERATES A DANGEROUS WHITE SMOKE CONDITION LINKED TO BOILER EXPLOSIONS. EXISTING CASUALTY PROCEDURES USE THE SGA ALONG WITH VISUAL VERIFICATION TO DETERMINE THE EXISTENCE OF WHITE SMOKE, AND IF THE CONDITION PERSISTS FOR MORE THAN ONE MINUTE, ARE INSTRUCTED TO SHUT DOWN THE BOILER. AN ENHANCED REPLACEMENT SGA WILL PROVIDE A CO AND O2 READING TO THE OPERATOR, AND ALLOW INTEGRATION INTO A TRIM LOOP SYSTEM (SCD # 985). A FLUE GAS TEMPERATURE SENSOR AND UPDATED FUEL OIL FLOW METER WILL ALSO BE INSTALLED TO ALLOW FOR IMPROVED ECONOMIZER PERFORMANCE AND BOILER EFFICIENCY. BOTH WILL ALSO HAVE THE ABILITY TO PROVIDE INPUTS INTO THE TRIM LOOP SYSTEM. PROPER USE OF SGA HAS CONSISTENTLY DEMONSTRATED FUEL SAVINGS BY TRIMMING EXCESS COMBUSTION AIR. POC: JOHN WRIGHT, 215-897-7709, JOHN.T.WRIGHT@NAVY.MIL

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**Task/Abbreviation:** I-22111-001- -BLR OUTER CSG - INSP**MJC:** EXECM038**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 90**ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

BOILER OUTER CASING REQUIRES LEAKAGE  
INSPECTION PER NSTM 221.CONDUCT PROPULSION BOILER OUTER CASING LEAKAGE  
INSPECTION USING HAND, SOAP FILM AND VISUAL TECHNOLOGIES  
PRIOR TO THE START OF AVAILABILITY INSPECTION (SAI) IAW NSTM  
221. MARK ALL LEAKS CLEARLY ON CASING. FOR INSULATED  
CASING DETERMINE THE NEED FOR REPLACEMENT. REPORT  
CONDITIONS FOUND TO THE SHIP'S CSMP.

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**Task/Abbreviation:** I-22111-002- -(M)PRPLN BLR SAI - PREP**MJC:** EXECM039**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 60**Equip/Task:** 1**Matl Cost:** 10,125**ManDays:** 350**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3

NSTM CH-221, PARA. 221-2.1.2.5 NSTM CH-221, PARA. 221-2.4.3 GC:280450,MA:1300

**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22111-002)NSTM REQUIREMENT DUE

IAW NSTM CH-221, PARA. 221-2.1.2.5, PARA. 221-2.2.4 & PARA. 221-2.4.3, PROVIDE ACCESS TO WATERSIDES & FIRESIDES OF PRPLN BOILER TO ACCOMP SAI AND FIVE YEAR EXAM. REMOVE INNER/OUTER CASING PANELS FOR HEADERS ACCESS. REMOVE REFRACTORY FROM REARWALL, SCREENWALL AND SIDEWALL HEADERS TO EXPOSE TUBE JOINTS. CLEAN FIRESIDES. ACCOMP PRELIMINARY HYDRO TEST IAW NSTM CH-221. REMOVE HANDHOLE PLUGS/MANHOLE PLATES FOR WATERSIDES ACCESS. REMOVE & INSPECT STM DRUM INTERNALS AND HYDRO TEST DESUPERHEATER. REMOVE AND DISPOSE OF INSULATION TO EXPOSE PRESSURE JOINTS. CLEAN WATERSIDES. ON COMPLETION OF AUTHORIZED REPAIRS, REINSTALL ALL INTERNALS AND EXTERNAL FITTINGS USING NEW GASKETS AND FASTENERS. ACCOMPLISH FINAL HYDRO TEST. RESTORE REMOVED REFRACTORY AND INSULATION. A. UT TEST IAW NSTM AS AUTHORIZED. NOTES: 1. USE SMWG TEMPLATE #221-08 FOR GUIDANCE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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| <b>Task/Abbreviation:</b> I-22111-003- -(M)PRPLN BLR SAI - ACCOMP             |  |                                   |  | <b>MJC:</b> EXECM190 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                                                                                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                          |  | <b>Scheduled:</b> Y               |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                                                    |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                        |  | <b>Freq:</b> 60                   |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 180                                                                                                                                                                                                                                                                            |  | <b>ManDays:</b> 4        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                                  |  |                                   |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                  |  | <b>MCC:</b> 3            |  |                |  |
| NSTM CH-221, PARA. 221-2.1.2.5 NSTM CH-221, PARA. 221-2.4.3 GC:280450,MA:1300 |  |                                   |  |                      |  |                                                                                                                                                                                                                                                                                                  |  |                          |  |                |  |
| <b>Reason:</b>                                                                |  | <b>Problem Description:</b>       |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                     |  |                          |  |                |  |
| BASELINE                                                                      |  | (I-22111-003)NSTM REQUIREMENT DUE |  |                      |  | IAW NSTM CH-221, PARA. 221-2.4.4, ACCOMPLISH START OF AVAILABILITY INSPECTION (SAI) OF THE PROPULSION BOILER. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                          |  |                |  |

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| Task/Abbreviation: I-22111-004- -(M)SOOT BLOWER HEADS - UT |  |              |  | MJC: EXECM040 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: Y |  | Sit Reqs:     |  | Qty: 10            |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 120    |  | Equip/Task: 5 |  | Matl Cost: 45      |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-22111-004)NSTM REQUIREMENT DUE | IAW NSTM CH-221, PARA. 221-3.3.6.2, ULTRASONIC TEST THE SOOT BLOWER HEADS OF THE PROPULSION BOILER AND REPORT CONDITIONS FOUND TO THE NSA. CLEAN TO BARE METAL AREAS TO BE TESTED. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-22111-005- -IDLE BLR LAY UP - MAINTAIN |  |              |  | MJC: EXECM041 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 5,166   |  | ManDays: 76       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-22111-005)PROPULSION BOILER REQUIRES LAY-UP | MAINTAIN THE IDLE PROPULSION BOILER(S) IN DRY OR WET LAY-UP CONDITION IN ACCORDANCE WITH THE FOLLOWING: A. DRY LAY-UP: HOT AIR METHOD IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-38 OR DESSICANT METHOD IN ACCORDANCE WITH NSTM CHAPTER 221 (DURING ENTIRE REPAIRS, EXCLUDING HYDROSTATIC TESTING). B. WET LAY-UP: IN ACCORDANCE WITH NSTM 220 (AFTER REPAIRS AND FINAL HYDROSTATIC TESTING). |

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| <b>Task/Abbreviation:</b> I-22111-006- -(M)PRPLN BLR CAI - ACCOMP             |  |                                   |  | <b>MJC:</b> EXECM042 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                                                                                                                                                              |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                          |  | <b>Scheduled:</b> Y               |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                                                                                          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                        |  | <b>Freq:</b> 60                   |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 4,665                                                                                                                                                                                                                                                                                                                |  | <b>ManDays:</b> 45       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                                  |  |                                   |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                        |  | <b>MCC:</b> 3            |  |                |  |
| NSTM CH-221, PARA. 221-2.1.2.6 NSTM CH-221, PARA. 221-2.4.8 GC:280450,MA:1300 |  |                                   |  |                      |  |                                                                                                                                                                                                                                                                                                                                        |  |                          |  |                |  |
| <b>Reason:</b>                                                                |  | <b>Problem Description:</b>       |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                           |  |                          |  |                |  |
| BASELINE                                                                      |  | (I-22111-006)NSTM REQUIREMENT DUE |  |                      |  | IAW NSTM CH-221, PARA. 221-2.1.2.6 & NSTM CH-221, PARA. 221-2.4.8, ACCOMPLISH COMPLETION OF AVAILABILITY INSPECTION (CAI) ON THE PROPULSION BOILER. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                          |  |                |  |

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| Task/Abbreviation: I-22111-007- -ACCESS NON OVHL BLR - PROV |              |               | MJC: EXECICJ5  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3         |                   |                    |

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|----------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-22111-007)ACCESS REQUIRED FOR THE NON-OVERHAUL PROPULSION BOILER FOR INSPECTION | PROVIDE ACCESS TO THE WATERSIDES AND FIRESIDES OF THE NON-OVERHAUL PROPULSION BOILER TO SUPPORT START OF AVAILABILITY INSPECTION (SAI) IAW NSTM CH-221, PARA. 221-2.1.2.3 & NSTM CH-221 PARA. 221-2.2.4.. REMOVE INNER AND OUTER CASING PANELS TO PROVIDE ACCESS TO HEADERS. ACCOMPLISH PRELIMINARY HYDROSTATIC TEST. ON COMPLETION OF AUTHORIZED REPAIRS, REINSTALL CASING USING NEW GASKETS. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-22111-008- -FIRESIDES BLR - CLN/RPR**MJC:** EXECQBJ4**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 10,125**ManDays:** 225**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-22111-008)PROPULSION BOILER FIRESIDES  
REQUIRE CLEANING

REMOVE ADDITIONAL BOILER CASING ACCESSES AS NECESSARY AND ACCOMPLISH FIRESIDE REPAIRS IAW NSTM CH-221 (PARA 221-2.7 & 221-2.13) AND TM S9221-C1-GTP-020 (CH-10 &11) AS FOLLOWS: A. MECHANICALLY CLEAN/CLEAR RAIN GUTTERS & DRAINS B. CLEAN FURNACES AND CLEAR EXPANSION JOINTS & DRAINS C. REPLACE DESIGNATED CORBEL SECTIONS D. REPLACE FURNACE DECK FIREBRICK E. REPLACE FURNACE FRONT WALL INCLUSIVE OF INSULATION BOARD, INSULATING BLOCK, FIREBRICK AND HANGERS F. REPLACE CASTABLE REFRACTORY AND HANGERS IN WAY OF BURNER APERTURES TOGETHER WITH HANGERS G. REPLACE SUPERHEATER DECK REFRACTORY H. REPLACE CASTABLE REFRACTORY AS DESIGNATED I. STRAIGHTEN/FAIR BENT OR DEFLECTED CASING DR FLANGES J. CROP/REPL CASING DR FLANGES & GRIND ALL WELDS FLUSH ON COMPLETION OF BOILER HYDROSTATIC TEST, REINSTALL CASING DOORS USING NEW GASKETS AND JOINT SEALING COMPOUND AND REPLACE MISSING/DEFECTIVE FASTENERS. REASSEMBLE BURNER FRONTS, SET AIR DIFFUSERS AND SPRAY PATTERNS. PROVE AIR-TIGHT WITH OPERATIONAL TEST.

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**Task/Abbreviation:** Q-22111-009- -PRPLN BLR WATERSIDES - RPR**MJC:** EXECQ032**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 10,125 **ManDays:** 225 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:**

BASELINE

**Problem Description:**(Q-22111-009)PROPULSION BOILER WATERSIDE  
REQUIRES REPAIR**Recommended Solution:**

AFTER WATERSIDE CLEANING UNDER SAI PREPS, ACCOMPLISH WATERSIDE REPAIRS ON THE PROPULSION BOILER PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, FLUSH TUBES AND HEADERS, REPLACE DISTURBED GASKETS AND ACCOMPLISH HYDROSTATIC TEST IN ACCORDANCE WITH NSTM CHAPTER 221 , PARA. 221-2.16. A. ROLL \_\_\_\_ TUBES. B. REMOVE AND REPLACE \_\_\_\_ TUBES IAW S9221-C1-GTP-010, CH-3. C. REPAIR, BY GRINDING OR WELDING, DEFECTS IN DOWNCOMERS, DRUMS, HEADERS, NOZZLES, RISERS AND SUPERHEATER SEAL WELDS IAW S9221-C1-GTP-010 CH-4, 5 & 6. D. REPLACE STEAM DRUM INTERNAL PIPING AND SUPPORTS. E. REPAIR WATER DRUM DESUPERHEATER SUPPORT. F. GRIND AND WELD-REPAIR CRACKED STRUCTURAL WELDMENTS IAW S9221-C1-GTP-010 CH-5. G. WELD BUILD-UP AND MACHINE DESUPERHEATER FLANGES IAW S9221-C1-GTP-010 CH-8. H. REFACE \_\_\_\_ HANDHOLE AND MANHOLE SEATS IAW S9221-C1-GTP-010 CH-5. I. CHEMICALLY-CLEAN WATERSIDES IAW S9221-C1-GTP-020, CH-9. J. BOIL-OUT AFTER MAJOR TUBE REPLACEMENT IAW NSTM CH-221, APPDX. E, & S9221-C1-GTP-020, CH-9.

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**Task/Abbreviation:** Q-22111-010- -INNER & OUTER CSG DOORS - RPR**MJC:** EXECQBJ5**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-22111-010)CASING ACCESS DOOR REQUIRES REPAIR

REGASKET AND MAKE MINOR REPAIRS TO THE INNER AND OUTER CASING DOORS OF THE PROPULSION BOILER PER CONDITION ASSESSMENT RECOMMENDATIONS IAW S9221-C1-GTP-020 CH-11. CORRECT ALL LEAKS IDENTIFIED BY AIR TEST. REPLACE \_\_\_\_\_ MISSING AND/OR UNSERVICEABLE FASTENERS. REPLACE VIEW PORT GLASS INCLUDING GASKETS. ACCOMPLISH A SATISFACTORY POST-REPAIRS AIR CASING LEAKAGE TEST. NOTES: 1. WORK WITH FIRESIDE REPAIR ITEM OF REPAIR BOILER ONLY.



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**Task/Abbreviation:** I-22111-011- -BLR SAF SHUT-OFF DVC - TST**MJC:** EXECI005**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22111-011)THE PROPULSION BOILER SAFETY  
SHUT-OFF DEVICES REQUIRE HYDROSTATIC TESTHYDROSTATICALLY TEST THE PROPULSION BOILER BURNER  
SAFETY SHUT-OFF DEVICES IN ACCORDANCE WITH THE  
APPLICABLE PROPULSION BOILER TECHNICAL MANUAL.  
ACCOMPLISH AUTHORIZED REPAIRS TO CORRECT LEAKS  
INCLUDING REPLACING O-RINGS, U-CUP SEALS AND BALL CHECK  
VALVES IAW TECH MANUAL S9221-C1-GTP-020, CH-14.  
ACCOMPLISH AUTHORIZED REPAIRS TO AIR REGISTER LINKAGES,  
PINS, PINION GEAR AND SPRINGS. REASSEMBLE BURNER  
ASSEMBLY REPLACING MISSING AND/OR UNSERVICEABLE  
FASTENERS. ENSURE DIFFUSER IS CENTERED IN THROAT RING  
AND SETTINGS ARE CORRECT. INSPECT ATOMIZER TO JACKET  
TUBE CONCENTRICITY. PROVIDE "AS-FOUND MATERIAL CONDITION"  
CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN"  
FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|----------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: I-22111-012- -PRPLN BLR SLIDING FEET - INSP |              |               | MJC: EXECI006  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 180 | ManDays: 4        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-22111-012)THE PROPULSION BOILER SLIDING FEET REQUIRE INSPECTION AND GREASE | FLUSH, CLEAN, INSPECT AND GREASE THE PROPULSION BOILER SLIDING FEET IAW NSTM CH-221, PARA. 221-2.15 & PMS 2210/ MRC B6PM. CLEAN AND PRESERVE PEDESTALS AND FOUNDATIONS. DO NOT PAINT CHOCK-FACE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-22111-013- -PRPLN BLR TB - INSP |  |              |  | MJC: EXECI007 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450     |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                                                                                                                         |
| BASELINE | (I-22111-013)THE PROPULSION BOILER TUBES<br>REQUIRES INSPECTION | CONDUCT A NONDESTRUCTIVE EVALUATION (NDE) OF THE BOILER<br>TUBES AS DIRECTED BY THE INSPECTOR AND REPORT CONDITIONS<br>FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION"<br>CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN"<br>FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-22111-014- -BLR SAF VLVS - INSP/RPR |              |               | MJC: EXECQA14  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 6         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 3 | Matl Cost: 810 | ManDays: 18       | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-22111-014)SAFETY VALVE REQUIRES REPAIR | REMOVE SAFETY VALVES FOR REPAIRS PER CONDITION ASSESSMENT RECOMMENDATIONS IAW NSTM CH-221, PARA. 221-3.2.6, 221-3.2.7, & 221-3.2.11. CLEAN AND INSPECT ALL COMPONENTS. BLUE-CHECK NOZZLE RING AND DISC INSERT CONTACT SURFACES. ACCOMPLISH A DYE PENETRANT CHECK. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING LIST, DRESS VALVE SPINDLE IN WAY OF GUIDE BEARING, CHASE THREADS, REPLACE DISC INSERT COTTER PIN AND RETAINING NUT AND REASSEMBLE VALVES. REPLACE MISSING OR UNSERVICEABLE FASTENERS. A. REPLACE ADJUSTING BOLT AND ADJUSTING RING B. REPLACE DISC BEARING, HOLDER, INSERT AND NUT. C. REPLACE FEATHER D. REPLACE FEATHER GUIDE. E. REPLACE GUIDE, GUIDE BEARING AND GUIDE RING. F. REPLACE NOZZLE RING. G. REPLACE SEAT BUSHING. H. REPLACE SPINDLE. I. REPLACE SPRING. J. WELD BUILD-UP AND MACHINE NOZZLE RING AND BODY FLANGE SURFACES. SET SAFETY VALVES. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-22111-015- -SOOT BLOWER HEAD ASSY - RPR**MJC:** EXECQ659**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 10**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 135**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-22111-015)SOOT BLOWER HEAD REQUIRES REPAIR

REPAIR SOOT BLOWER HEAD ASSEMBLY(IES) OF THE BOILER PER CONDITION ASSESSMENT RECOMMENDATIONS IAW NSTM CH-221, PARA. 221-3.3.6. DISASSEMBLE AND INSPECT ALL COMPONENTS. ENSURE THAT ELEMENT AND ELEMENT REACTION PLATE ARE FREE FROM CRACKS & ELEMENT NOZZLES ARE FREE FROM EROSION. ON COMPLETION OF RPRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ASSEMBLE USING NEW PACKING SETS (VALVE STEM, EXTENSION PIECE, ELEMENT) & REPLACE MISSING/UNSERVICEABLE FASTENERS. ENSURE SATISFACTORY ELEMENT SWEEP & BLOWING PRESSURE. A. REPLACE EXTENSION PIECE SNAP RING. B. REPLACE PINION. C. REPLACE GEAR AND EXTENSION PIECE. D. REPLACE VALVE SPRING. E. REPLACE PACKING GLAND. F. REPLACE VALVE STEM ASSEMBLY. G. REPLACE EXTENSION TUBE BEARING. H. STRAIGHTEN ELEMENT. I. REPLACE ELEMENT. J. REPLACE ELEMENT DEFLECTING RING. K. REPLACE ELEMENT INNER SLEEVE. L. REPAIR SCAVENGING AIR CHECK VALVE IAW TECH MANUAL S9221-C1-GTP-020 CH-15. M. REPAIR PNEUMATIC OPERATORS AS REQUIRED.

|                                                                 |              |               |                |                   |                    |
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| Task/Abbreviation: Q-22111-016- -BLR WTR LEVEL GAGE GLASS - RPR |              |               | MJC: EXECJBD6  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 500 | ManDays: 3        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-22111-016)WATER LEVEL GAGE REQUIRES REPAIR | REMOVE BOILER WATER LEVEL GAGE GLASSES. DISASSEMBLE AND INSPECT SEATING SURFACES FOR DEFECTS AND REPAIR IAW TECHNICAL MANUAL S9221-C1-GTP-020, CH16. TRUE MACHINE SEATING SURFACES TO A CONTINUOUS SEATING SURFACE. INSTALL NEW MICA, GASKETS AND GLASS. REASSEMBLE USING NEW FASTENERS. CONDUCT HYDROSTATIC TEST. REINSTALL AND OPERATIONALLY TEST. |

|                                                              |  |              |  |               |  |                    |  |                   |  |         |  |
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| Task/Abbreviation: I-22111-017- -(M) 18 MO BLR INSP - ACCOMP |  |              |  | MJC: EXECM167 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: Y |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                              |  | Freq: 18     |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

|          |                                   |                                                                                                                                                                                                                                                                                                            |
|----------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-22111-017)NSTM REQUIREMENT DUE | IAW NSTM CH-221 PARAGRAPHS 221-2.1.2.2, 221-2.1.2.3 AND 221-2.2.4, ACCOMPLISH TYCOM 18 MONTH ROUTINE BOILER INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-22111-019- -BLR PERISCOPE - MRC A5C2**MJC:** EXECIID7**Rev Date:** 9/1/2011**RCM Analysis:** 7/7/2008**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22111-019)THE BOILER PERISCOPE REQUIRES ASSESSMENT.

ACCOMPLISH BOILER PERISCOPE ASSESSMENT IN ACCORDANCE WITH MRC A5C2 AS FOLLOWS: 1. INSPECT BOILER PERISCOPE FOR GAS LEAKS, ALIGNMENT AND FREEDOM OF OPERATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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**Task/Abbreviation:** I-22111-032- -BLR PIPING SYS - VIS/UT INSP**MJC:** EXECIIN5**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 60**Equip/Task:** 1**Matl Cost:** 150**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22111-032) PROPULSION BOILER PIPING  
SYSTEMS REQUIRE VISUAL AND UT INSPECTION.ACCOMPLISH ULTRASONIC TEST (UT) ON THE FOLLOWING BOILER  
ASSOCIATED PIPING SYSTEMS: A. CONDUCT VISUAL AND UT  
INSPECTION OF BOILER SURFACE AND BOTTOM BLOW CARBON  
STEEL PIPING. INSPECTION SHALL START FROM THE DRUM OR  
HEADER NOZZLE AND TERMINATE AT THE FIRST BOILER PRESSURE  
VESSEL FLANGE. INSPECTION SHALL INCLUDE PIPING BENEATH  
SUPPORT BRACKETS. BOILER CASING PENETRATIONS, AREAS  
SUBJECTED TO BILGE WATER AND UNDER WET AND DETERIORATED  
LAGGING IAW NSTM 505 AND MIL-STD 271. B. UT CHEMICAL  
INJECTION TANK ASSOCIATED PIPING FROM THE CONDENSATE FILL  
VALVE TO THE FEED CONNECTIONS. C. UT HIGH PRESSURE DRAIN  
PIPING FROM HEADER TO FIRST VALVE. NOTE: ACCOMPLISH THESE  
INSPECTIONS DURING 5 YEAR STRENGTH AND INTEGRITY  
INSPECTION.

|                                                                       |  |                                                                            |  |                      |  |                                                                            |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> I-22111-037- -SOOT BLOWER SNAP RINGS - INSP |  |                                                                            |  | <b>MJC:</b> EXECIIP8 |  | <b>Rev Date:</b> 9/1/2011                                                  |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> Y                                                        |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 60                                                            |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 250                                                      |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                                            |  | <b>Repair Pool:</b>  |  |                                                                            |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                                                |  |                      |  | <b>Recommended Solution:</b>                                               |  |                          |  |                |  |
| BASELINE                                                              |  | (I-22111-037) PROPULSION BOILER SOOT BLOWER SNAP RINGS REQUIRE INSPECTION. |  |                      |  | INSPECT SOOT BLOWER SNAP RINGS AND RENEW AS NECESSARY (COPES VULCAN ONLY). |  |                          |  |                |  |

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**Task/Abbreviation:** I-22112-001- -BLR OUTER CSG - INSP**MJC:** EXECM043**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 90**ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

BOILER OUTER CASING REQUIRES LEAKAGE  
INSPECTION PER NSTM 221.CONDUCT PROPULSION BOILER OUTER CASING LEAKAGE  
INSPECTION USING HAND, SOAP FILM AND VISUAL TECHNOLOGIES  
PRIOR TO THE START OF AVAILABILITY INSPECTION (SAI) IAW NSTM  
221. MARK ALL LEAKS CLEARLY ON CASING. FOR INSULATED  
CASING DETERMINE THE NEED FOR REPLACEMENT. REPORT  
CONDITIONS FOUND TO THE SHIP'S CSMP.

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**Task/Abbreviation:** I-22112-002- -(M)PRPLN BLR SAI - PREP**MJC:** EXECM044**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 60**Equip/Task:** 1**Matl Cost:** 10,125**ManDays:** 350**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3

NSTM CH-221, PARA. 221-2.1.2.5 NSTM CH-221, PARA. 221-2.4.3 GC:280450,MA:1300

**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22112-002)NSTM REQUIREMENT DUE

IAW NSTM CH-221, PARA. 221-2.1.2.5, PARA. 221-2.2.4 & PARA. 221-2.4.3, PROVIDE ACCESS TO WATERSIDES & FIRESIDES OF PRPLN BOILER TO ACCOMP SAI AND FIVE YEAR EXAM. REMOVE INNER/OUTER CASING PANELS FOR HEADERS ACCESS. REMOVE REFRACTORY FROM REARWALL, SCREENWALL AND SIDEWALL HEADERS TO EXPOSE TUBE JOINTS. CLEAN FIRESIDES. ACCOMP PRELIMINARY HYDRO TEST IAW NSTM CH-221. REMOVE HANDHOLE PLUGS/MANHOLE PLATES FOR WATERSIDES ACCESS. REMOVE & INSPECT STM DRUM INTERNALS AND HYDRO TEST DESUPERHEATER. REMOVE AND DISPOSE OF INSULATION TO EXPOSE PRESSURE JOINTS. CLEAN WATERSIDES. ON COMPLETION OF AUTHORIZED REPAIRS, REINSTALL ALL INTERNALS AND EXTERNAL FITTINGS USING NEW GASKETS AND FASTENERS. ACCOMPLISH FINAL HYDRO TEST. RESTORE REMOVED REFRACTORY AND INSULATION. A. UT TEST IAW NSTM AS AUTHORIZED. NOTES: 1. USE SMWG TEMPLATE #221-08 FOR GUIDANCE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-22112-003- -(M)PRPLN BLR SAI - ACCOMP                    |                                   |               | MJC: EXECM002                                                                                                                                                                                                                                                                                    |            | Rev Date: 9/1/2011 |
| RCM Analysis:                                                                 |                                   | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                                                                                        | Qty: 2     | Removal Required:  |
| Lvl of Maint: 3                                                               | Freq: 60                          | Equip/Task: 1 | Matl Cost: 180                                                                                                                                                                                                                                                                                   | ManDays: 4 | Alt No:            |
| Referenced Authority:                                                         |                                   | Repair Pool:  | MCC: 3                                                                                                                                                                                                                                                                                           |            |                    |
| NSTM CH-221, PARA. 221-2.1.2.5 NSTM CH-221, PARA. 221-2.4.3 GC:280450,MA:1300 |                                   |               |                                                                                                                                                                                                                                                                                                  |            |                    |
| Reason:                                                                       | Problem Description:              |               | Recommended Solution:                                                                                                                                                                                                                                                                            |            |                    |
| BASELINE                                                                      | (I-22112-003)NSTM REQUIREMENT DUE |               | IAW NSTM CH-221, PARA. 221-2.4.4, ACCOMPLISH START OF AVAILABILITY INSPECTION (SAI) OF THE PROPULSION BOILER. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |            |                    |

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| Task/Abbreviation: I-22112-004- -(M)SOOT BLOWER HEADS - UT |  |              |  | MJC: EXECM045 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: Y |  | Sit Reqs:     |  | Qty: 10            |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 120    |  | Equip/Task: 5 |  | Matl Cost: 45      |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-22112-004)NSTM REQUIREMENT DUE | IAW NSTM CH-221, PARA. 221-3.3.6.2, ULTRASONIC TEST THE SOOT BLOWER HEADS OF THE PROPULSION BOILER AND REPORT CONDITIONS FOUND TO THE NSA. CLEAN TO BARE METAL AREAS TO BE TESTED. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-22112-005- -IDLE BLR LAY UP - MAINTAIN |  |              |  | MJC: EXECM046 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 5,166   |  | ManDays: 76       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-22112-005)PROPULSION BOILER REQUIRES LAY-UP | MAINTAIN THE IDLE PROPULSION BOILER(S) IN DRY OR WET LAY-UP CONDITION IN ACCORDANCE WITH THE FOLLOWING: A. DRY LAY-UP: HOT AIR METHOD IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-38 OR DESSICANT METHOD IN ACCORDANCE WITH NSTM CHAPTER 221 (DURING ENTIRE REPAIRS, EXCLUDING HYDROSTATIC TESTING). B. WET LAY-UP: IN ACCORDANCE WITH NSTM 220 (AFTER REPAIRS AND FINAL HYDROSTATIC TESTING). |

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| Task/Abbreviation: I-22112-006- -(M)PRPLN BLR CAI - ACCOMP                    |                                   |               | MJC: EXECM047                                                                                                                                                                                                                                                                                                                          |             | Rev Date: 9/1/2011 |                   |
| RCM Analysis:                                                                 |                                   | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                                                                                                                              |             | Qty: 2             | Removal Required: |
| Lvl of Maint: 3                                                               | Freq: 60                          | Equip/Task: 1 | Matl Cost: 4,665                                                                                                                                                                                                                                                                                                                       | ManDays: 45 | Alt No:            |                   |
| Referenced Authority:                                                         |                                   | Repair Pool:  |                                                                                                                                                                                                                                                                                                                                        | MCC: 3      |                    |                   |
| NSTM CH-221, PARA. 221-2.1.2.6 NSTM CH-221, PARA. 221-2.4.8 GC:280450,MA:1300 |                                   |               |                                                                                                                                                                                                                                                                                                                                        |             |                    |                   |
| Reason:                                                                       | Problem Description:              |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                  |             |                    |                   |
| BASELINE                                                                      | (I-22112-006)NSTM REQUIREMENT DUE |               | IAW NSTM CH-221, PARA. 221-2.1.2.6 & NSTM CH-221, PARA. 221-2.4.8, ACCOMPLISH COMPLETION OF AVAILABILITY INSPECTION (CAI) ON THE PROPULSION BOILER. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |             |                    |                   |



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| Task/Abbreviation: I-22112-007- -ACCESS NON OVHL BLR - PROV |              |               | MJC: EXECI009  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3         |                   |                    |

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|----------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-22112-007)ACCESS REQUIRED FOR THE NON-OVERHAUL PROPULSION BOILER FOR INSPECTION | PROVIDE ACCESS TO THE WATERSIDES AND FIRESIDES OF THE NON-OVERHAUL PROPULSION BOILER TO SUPPORT START OF AVAILABILITY INSPECTION (SAI) IAW NSTM CH-221, PARA. 221-2.1.2.3 & NSTM CH-221 PARA. 221-2.2.4.. REMOVE INNER AND OUTER CASING PANELS TO PROVIDE ACCESS TO HEADERS. ACCOMPLISH PRELIMINARY HYDROSTATIC TEST. ON COMPLETION OF AUTHORIZED REPAIRS, REINSTALL CASING USING NEW GASKETS. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-22112-008- -FIRESIDES BLR - CLN/RPR**MJC:** EXECQ034**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 10,125**ManDays:** 225**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-22112-008)PROPULSION BOILER FIRESIDES  
REQUIRE CLEANING

REMOVE ADDITIONAL BOILER CASING ACCESSES AS NECESSARY AND ACCOMPLISH FIRESIDE REPAIRS IAW NSTM CH-221 (PARA 221-2.7 & 221-2.13) AND TM S9221-C1-GTP-020 (CH-10 &11) AS FOLLOWS: A. MECHANICALLY CLEAN/CLEAR RAIN GUTTERS & DRAINS B. CLEAN FURNACES AND CLEAR EXPANSION JOINTS & DRAINS C. REPLACE DESIGNATED CORBEL SECTIONS D. REPLACE FURNACE DECK FIREBRICK E. REPLACE FURNACE FRONT WALL INCLUSIVE OF INSULATION BOARD, INSULATING BLOCK, FIREBRICK AND HANGERS F. REPLACE CASTABLE REFRACTORY AND HANGERS IN WAY OF BURNER APERTURES TOGETHER WITH HANGERS G. REPLACE SUPERHEATER DECK REFRACTORY H. REPLACE CASTABLE REFRACTORY AS DESIGNATED I. STRAIGHTEN/FAIR BENT OR DEFLECTED CASING DR FLANGES J. CROP/REPL CASING DR FLANGES & GRIND ALL WELDS FLUSH ON COMPLETION OF BOILER HYDROSTATIC TEST, REINSTALL CASING DOORS USING NEW GASKETS AND JOINT SEALING COMPOUND AND REPLACE MISSING/DEFECTIVE FASTENERS. REASSEMBLE BURNER FRONTS, SET AIR DIFFUSERS AND SPRAY PATTERNS. PROVE AIR-TIGHT WITH OPERATIONAL TEST.

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**Task/Abbreviation:** Q-22112-009- -PRPLN BLR WATERSIDES - RPR**MJC:** EXECQ035**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 10,125 **ManDays:** 225 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:**

BASELINE

**Problem Description:**(Q-22112-009)PROPULSION BOILER WATERSIDE  
REQUIRES REPAIR**Recommended Solution:**

AFTER WATERSIDE CLEANING UNDER SAI PREPS, ACCOMPLISH WATERSIDE REPAIRS ON THE PROPULSION BOILER PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, FLUSH TUBES AND HEADERS, REPLACE DISTURBED GASKETS AND ACCOMPLISH HYDROSTATIC TEST IN ACCORDANCE WITH NSTM CHAPTER 221 , PARA. 221-2.16. A. ROLL \_\_\_\_ TUBES. B. REMOVE AND REPLACE \_\_\_\_ TUBES IAW S9221-C1-GTP-010, CH-3. C. REPAIR, BY GRINDING OR WELDING, DEFECTS IN DOWNCOMERS, DRUMS, HEADERS, NOZZLES, RISERS AND SUPERHEATER SEAL WELDS IAW S9221-C1-GTP-010 CH-4, 5 & 6. D. REPLACE STEAM DRUM INTERNAL PIPING AND SUPPORTS. E. REPAIR WATER DRUM DESUPERHEATER SUPPORT. F. GRIND AND WELD-REPAIR CRACKED STRUCTURAL WELDMENTS IAW S9221-C1-GTP-010 CH-5. G. WELD BUILD-UP AND MACHINE DESUPERHEATER FLANGES IAW S9221-C1-GTP-010 CH-8. H. REFACE \_\_\_\_ HANDHOLE AND MANHOLE SEATS IAW S9221-C1-GTP-010 CH-5. I. CHEMICALLY-CLEAN WATERSIDES IAW S9221-C1-GTP-020, CH-9. J. BOIL-OUT AFTER MAJOR TUBE REPLACEMENT IAW NSTM CH-221, APPDX. E, & S9221-C1-GTP-020, CH-9.

|                                                                |              |               |                    |                   |         |
|----------------------------------------------------------------|--------------|---------------|--------------------|-------------------|---------|
| Task/Abbreviation: Q-22112-010- -INNER & OUTER CSG DOORS - RPR |              | MJC: EXECQ036 | Rev Date: 9/1/2011 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2             | Removal Required: |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 900     | ManDays: 20       | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 3        |                    |                   |         |

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|----------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-22112-010)CASING ACCESS DOOR REQUIRES REPAIR | REGASKET AND MAKE MINOR REPAIRS TO THE INNER AND OUTER CASING DOORS OF THE PROPULSION BOILER PER CONDITION ASSESSMENT RECOMMENDATIONS IAW S9221-C1-GTP-020 CH-11. CORRECT ALL LEAKS IDENTIFIED BY AIR TEST. REPLACE _____ MISSING AND/OR UNSERVICEABLE FASTENERS. REPLACE VIEW PORT GLASS INCLUDING GASKETS. ACCOMPLISH A SATISFACTORY POST-REPAIRS AIR CASING LEAKAGE TEST. NOTES: 1. WORK WITH FIRESIDE REPAIR ITEM OF REPAIR BOILER ONLY. |

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**Task/Abbreviation:** I-22112-011- -BLR SAF SHUT-OFF DVC - TST**MJC:** EXECI010**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22112-011)THE PROPULSION BOILER SAFETY  
SHUT-OFF DEVICES REQUIRE HYDROSTATIC TESTHYDROSTATICALLY TEST THE PROPULSION BOILER BURNER  
SAFETY SHUT-OFF DEVICES IN ACCORDANCE WITH THE  
APPLICABLE PROPULSION BOILER TECHNICAL MANUAL.  
ACCOMPLISH AUTHORIZED REPAIRS TO CORRECT LEAKS  
INCLUDING REPLACING O-RINGS, U-CUP SEALS AND BALL CHECK  
VALVES IAW TECH MANUAL S9221-C1-GTP-020, CH-14.  
ACCOMPLISH AUTHORIZED REPAIRS TO AIR REGISTER LINKAGES,  
PINS, PINION GEAR AND SPRINGS. REASSEMBLE BURNER  
ASSEMBLY REPLACING MISSING AND/OR UNSERVICEABLE  
FASTENERS. ENSURE DIFFUSER IS CENTERED IN THROAT RING  
AND SETTINGS ARE CORRECT. INSPECT ATOMIZER TO JACKET  
TUBE CONCENTRICITY. PROVIDE "AS-FOUND MATERIAL CONDITION"  
CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN"  
FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-22112-012- -PRPLN BLR SLIDING FEET - INSP**MJC:** EXECI011**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 180**ManDays:** 4**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22112-012)THE PROPULSION BOILER SLIDING  
FEET REQUIRE INSPECTION AND GREASEFLUSH, CLEAN, INSPECT AND GREASE THE PROPULSION BOILER  
SLIDING FEET IAW NSTM CH-221, PARA. 221-2.15 & PMS 2210/ MRC  
B6PM. CLEAN AND PRESERVE PEDESTALS AND FOUNDATIONS. DO  
NOT PAINT CHOCK-FACE. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-22112-013- -PRPLN BLR TB - INSP**MJC:** EXECI012**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22112-013)THE PROPULSION BOILER TUBES  
REQUIRES INSPECTIONCONDUCT A NONDESTRUCTIVE EVALUATION (NDE) OF THE BOILER  
TUBES AS DIRECTED BY THE INSPECTOR AND REPORT CONDITIONS  
FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION"  
CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN"  
FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-22112-014- -BLR SAF VLVS - INSP/RPR**MJC:** EXECQA15**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 6**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 3**Matl Cost:** 810**ManDays:** 18**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-22112-014)SAFETY VALVE REQUIRES REPAIR

REMOVE SAFETY VALVES FOR REPAIRS PER CONDITION ASSESSMENT RECOMMENDATIONS IAW NSTM CH-221, PARA. 221-3.2.6, 221-3.2.7, & 221-3.2.11. CLEAN AND INSPECT ALL COMPONENTS. BLUE-CHECK NOZZLE RING AND DISC INSERT CONTACT SURFACES. ACCOMPLISH A DYE PENETRANT CHECK. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING LIST, DRESS VALVE SPINDLE IN WAY OF GUIDE BEARING, CHASE THREADS, REPLACE DISC INSERT COTTER PIN AND RETAINING NUT AND REASSEMBLE VALVES. REPLACE MISSING OR UNSERVICEABLE FASTENERS. A. REPLACE ADJUSTING BOLT AND ADJUSTING RING B. REPLACE DISC BEARING, HOLDER, INSERT AND NUT. C. REPLACE FEATHER D. REPLACE FEATHER GUIDE. E. REPLACE GUIDE, GUIDE BEARING AND GUIDE RING. F. REPLACE NOZZLE RING. G. REPLACE SEAT BUSHING. H. REPLACE SPINDLE. I. REPLACE SPRING. J. WELD BUILD-UP AND MACHINE NOZZLE RING AND BODY FLANGE SURFACES. SET SAFETY VALVES. ACCOMPLISH SATISFACTORY OPERATIONAL TEST.



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**Task/Abbreviation:** Q-22112-015- -SOOT BLOWER HEAD ASSY - RPR**MJC:** EXECQ661**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 10**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 135**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-22112-015)SOOT BLOWER HEAD REQUIRES REPAIR

REPAIR SOOT BLOWER HEAD ASSEMBLY(IES) OF THE BOILER PER CONDITION ASSESSMENT RECOMMENDATIONS IAW NSTM CH-221, PARA. 221-3.3.6. DISASSEMBLE AND INSPECT ALL COMPONENTS. ENSURE THAT ELEMENT AND ELEMENT REACTION PLATE ARE FREE FROM CRACKS & ELEMENT NOZZLES ARE FREE FROM EROSION. ON COMPLETION OF RPRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ASSEMBLE USING NEW PACKING SETS (VALVE STEM, EXTENSION PIECE, ELEMENT) & REPLACE MISSING/UNSERVICEABLE FASTENERS. ENSURE SATISFACTORY ELEMENT SWEEP & BLOWING PRESSURE. A. REPLACE EXTENSION PIECE SNAP RING. B. REPLACE PINION. C. REPLACE GEAR AND EXTENSION PIECE. D. REPLACE VALVE SPRING. E. REPLACE PACKING GLAND. F. REPLACE VALVE STEM ASSEMBLY. G. REPLACE EXTENSION TUBE BEARING. H. STRAIGHTEN ELEMENT. I. REPLACE ELEMENT. J. REPLACE ELEMENT DEFLECTING RING. K. REPLACE ELEMENT INNER SLEEVE. L. REPAIR SCAVENGING AIR CHECK VALVE IAW TECH MANUAL S9221-C1-GTP-020 CH-15. M. REPAIR PNEUMATIC OPERATORS AS REQUIRED.

|                                                                 |              |               |                |                   |                    |
|-----------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-22112-016- -BLR WTR LEVEL GAGE GLASS - RPR |              |               | MJC: EXECJBD9  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 500 | ManDays: 3        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |                    |

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|----------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-22112-016)WATER LEVEL GAGE REQUIRES REPAIR | REMOVE BOILER WATER LEVEL GAGE GLASSES. DISASSEMBLE AND INSPECT SEATING SURFACES FOR DEFECTS AND REPAIR IAW TECHNICAL MANUAL S9221-C1-GTP-020, CH16. TRUE MACHINE SEATING SURFACES TO A CONTINUOUS SEATING SURFACE. INSTALL NEW MICA, GASKETS AND GLASS. REASSEMBLE USING NEW FASTENERS. CONDUCT HYDROSTATIC TEST. REINSTALL AND OPERATIONALLY TEST. |

|                                                              |  |              |  |               |  |                    |  |                   |  |         |  |
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| Task/Abbreviation: I-22112-017- -(M) 18 MO BLR INSP - ACCOMP |  |              |  | MJC: EXECM168 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: Y |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                              |  | Freq: 18     |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-22112-017)NSTM REQUIREMENT DUE | IAW NSTM CH-221 PARAGRAPHS 221-2.1.2.2, 221-2.1.2.3 AND 221-2.2.4, ACCOMPLISH TYCOM 18 MONTH ROUTINE BOILER INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-22112-018- -BLR PERISCOPE - MRC A5C2**MJC:** EXECIID8**Rev Date:** 9/1/2011**RCM Analysis:** 7/7/2008**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-22112-018)THE BOILER PERISCOPE REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH BOILER PERISCOPE ASSESSMENT IN ACCORDANCE WITH MRC A5C2 AS FOLLOWS: 1. INSPECT BOILER PERISCOPE FOR GAS LEAKS, ALIGNMENT AND FREEDOM OF OPERATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-22112-028- -BLR PIPING SYS - VIS/UT INSP**MJC:** EXECIIN6**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 60**Equip/Task:** 1**Matl Cost:** 150**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22112-028) PROPULSION BOILER PIPING  
SYSTEMS REQUIRE VISUAL AND UT INSPECTION.ACCOMPLISH ULTRASONIC TEST (UT) ON THE FOLLOWING BOILER  
ASSOCIATED PIPING SYSTEMS: A. CONDUCT VISUAL AND UT  
INSPECTION OF BOILER SURFACE AND BOTTOM BLOW CARBON  
STEEL PIPING. INSPECTION SHALL START FROM THE DRUM OR  
HEADER NOZZLE AND TERMINATE AT THE FIRST BOILER PRESSURE  
VESSEL FLANGE. INSPECTION SHALL INCLUDE PIPING BENEATH  
SUPPORT BRACKETS. BOILER CASING PENETRATIONS, AREAS  
SUBJECTED TO BILGE WATER AND UNDER WET AND DETERIORATED  
LAGGING IAW NSTM 505 AND MIL-STD 271. B. UT CHEMICAL  
INJECTION TANK ASSOCIATED PIPING FROM THE CONDENSATE FILL  
VALVE TO THE FEED CONNECTIONS. C. UT HIGH PRESSURE DRAIN  
PIPING FROM HEADER TO FIRST VALVE. NOTE: ACCOMPLISH THESE  
INSPECTIONS DURING 5 YEAR STRENGTH AND INTEGRITY  
INSPECTION.

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| <b>Task/Abbreviation:</b> I-22112-033- -SOOT BLOWER SNAP RINGS - INSP |  |                                                                            |  | <b>MJC:</b> EXECIIP9 |  | <b>Rev Date:</b> 9/1/2011                                                  |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> Y                                                        |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 60                                                            |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 250                                                      |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                                            |  | <b>Repair Pool:</b>  |  |                                                                            |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                                                |  |                      |  | <b>Recommended Solution:</b>                                               |  |                          |  |                |  |
| BASELINE                                                              |  | (I-22112-033) PROPULSION BOILER SOOT BLOWER SNAP RINGS REQUIRE INSPECTION. |  |                      |  | INSPECT SOOT BLOWER SNAP RINGS AND RENEW AS NECESSARY (COPES VULCAN ONLY). |  |                          |  |                |  |

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| Task/Abbreviation: K-22120-005- -SHIPALT LHA1-70264K - ACCOMP |              |               | MJC: EXSAK846 |                   | Rev Date: 6/2/2008    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 10 | ManDays: 10       | Alt No: SALHA 70264 K |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                       |

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|----------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                        |
| BASELINE | (K-22120-5) SHIPALT LHA1-70264K, E-ABC UNINTERRUPTIBLE PWR SUPP, NOT ACCOMPLISHED. | ACCOMPLISH SHIPALT LHA1-70264 K WHICH IS THE INSTALLATION OF MIL-SPEC UNINTERRUPTIBLE POWER SUPPLY (UPS) TO REPLACE COMMERCIAL GRADE UPS SERVICING ELECTRONIC AUTOMATIC BOILER CONTROL (E-ABC) AND ELECTRONIC AUXILIARY STEAM PLANT (E-AUX) CONTROL SYSTEMS. |

|                                                               |         |               |               |             |                       |
|---------------------------------------------------------------|---------|---------------|---------------|-------------|-----------------------|
| Task/Abbreviation: D-22120-006- -SHIPALT LHA1-70985D - ACCOMP |         |               | MJC: EXSAD629 |             | Rev Date: 6/2/2008    |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:     | Qty: 1      | Removal Required:     |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 10 | ManDays: 10 | Alt No: SALHA 70985 D |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3        |             |                       |

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|----------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                            |
| BASELINE | (D-22120-6) SHIPALT LHA1-70985D, BOILER AUTOMATIC COMBUSTION , NOT ACCOMPLISHED. | ACCOMPLISH SHIPALT LHA1-70985D WHICH INCORPORATES STACK GAS ANALYZER (SGA) SYSTEM CO-O2 READINGS INTO THE EXISTING ELECTRONIC AUTOMATIC BOILER CONTROLS (E-ABC). |



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**Task/Abbreviation:** I-22121-001- -BLR CONT SYS - INSP**MJC:** EXECICJ6**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22121-001)THE AUTOMATIC COMBUSTION CONTROL (ACC) AND FEEDWATER CONTROL SYSTEMS OF THE PROPULSION BOILERS REQUIRES INSPECTION

INSPECT THE AUTOMATIC COMBUSTION CONTROL (ACC) AND FEEDWATER CONTROL SYSTEMS OF THE PROPULSION BOILERS AND IDENTIFY REPAIRS USING MRC C5YU. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-22122-001- -BLR CONT SYS - INSP**MJC:** EXECI024**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-22122-001)THE AUTOMATIC COMBUSTION CONTROL (ACC) AND FEEDWATER CONTROL SYSTEMS OF THE PROPULSION BOILERS REQUIRES INSPECTION

INSPECT THE AUTOMATIC COMBUSTION CONTROL (ACC) AND FEEDWATER CONTROL SYSTEMS OF THE PROPULSION BOILERS AND IDENTIFY REPAIRS USING MRC C5YU. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-22131-002- -(M)BLR BLOW MONEL PP -UT INSP    |  |                                   |  | MJC: EXECM014 |  | Rev Date: 9/1/2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                   |  |         |  |
| RCM Analysis:                                                     |  | Scheduled: Y                      |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                   |  | Freq: 120                         |  | Equip/Task: 1 |  | Matl Cost: 1,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                             |  |                                   |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | MCC: 2            |  |         |  |
| NSTM CH-221-2.1.2.3 MIP 2210/006, 008, 010, 014 GC:700140,MA:09PD |  |                                   |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                   |  |         |  |
| Reason:                                                           |  | Problem Description:              |  |               |  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                   |  |         |  |
| BASELINE                                                          |  | (I-22131-002)NSTM REQUIREMENT DUE |  |               |  | IAW NSTM CH-221 & PMS MIP 2210 MRC 120M-1R, ACCOMPLISH ULTRASONIC TESTING OF THE MONEL BOILER BLOWDOWN PIPING AS FOLLOWS: A. REMOVE LAGGING AND INSULATION AND CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES ( 90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS. C. PRESERVE AND RELAG DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                   |  |         |  |

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|--------------------------------------------------------------|--|-----------------------------------------|--|----------------------|--|------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-22131-004- -BLR BLOW VLVS - REPL |  |                                         |  | <b>MJC:</b> EXECQ045 |  | <b>Rev Date:</b> 9/1/2011                                                                                              |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N                     |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> X                                                                                                          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0                          |  | <b>Equip/Task:</b> X |  | <b>Matl Cost:</b> 225                                                                                                  |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                                         |  | <b>Repair Pool:</b>  |  |                                                                                                                        |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                               |  | <b>Problem Description:</b>             |  |                      |  | <b>Recommended Solution:</b>                                                                                           |  |                          |  |                |  |
| BASELINE                                                     |  | (Q-22131-004)VALVE REQUIRES REPLACEMENT |  |                      |  | REPLACE DESIGNATED GLOBE VALVES OF THE BOILER SURFACE AND BOTTOM BLOW PIPING PER CONDITION ASSESSMENT RECOMMENDATIONS. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> I-22132-002- -(M)BLR BLOW MONEL PP -UT INSP |  |                                   |  | <b>MJC:</b> EXECM015 |  | <b>Rev Date:</b> 2/6/2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> Y               |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 120                  |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <b>ManDays:</b> 9        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                   |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | <b>MCC:</b> 2            |  |                |  |
| NSTM CH-221-2.1.2.3 MIP 2210/006, 008, 010, 014 GC:700140,MA:09PD     |  |                                   |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                          |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>       |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                          |  |                |  |
| BASELINE                                                              |  | (I-22132-002)NSTM REQUIREMENT DUE |  |                      |  | IAW NSTM CH-221 & PMS MIP 2210 MRC 120M-1R, ACCOMPLISH ULTRASONIC TESTING OF THE MONEL BOILER BLOWDOWN PIPING AS FOLLOWS: A. REMOVE LAGGING AND INSULATION AND CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES ( 90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS. C. PRESERVE AND RELAG DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                          |  |                |  |

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|-------------------------------------------------------|--|-----------------------------------------|--|---------------|--|------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-22132-004- -BLR BLOW VLVS - REPL |  |                                         |  | MJC: EXECQ049 |  | Rev Date:                                                                                                              |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N                            |  | Sit Reqs:     |  | Qty: X                                                                                                                 |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0                                 |  | Equip/Task: X |  | Matl Cost: 225                                                                                                         |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                 |  |                                         |  | Repair Pool:  |  |                                                                                                                        |  | MCC: 2            |  |         |  |
| Reason:                                               |  | Problem Description:                    |  |               |  | Recommended Solution:                                                                                                  |  |                   |  |         |  |
| BASELINE                                              |  | (Q-22132-004)VALVE REQUIRES REPLACEMENT |  |               |  | REPLACE DESIGNATED GLOBE VALVES OF THE BOILER SURFACE AND BOTTOM BLOW PIPING PER CONDITION ASSESSMENT RECOMMENDATIONS. |  |                   |  |         |  |

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| Task/Abbreviation: D-23110-002- -SHIPALT LHA1-01131D - ACCOMP |              |               | MJC: EXSAD474    |                   | Rev Date: 9/9/2005    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,000 | ManDays:          | Alt No: SALHA 01131 D |
| Referenced Authority:                                         | Repair Pool: | MCC: 3        |                  |                   |                       |

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|----------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                              |
| BASELINE | (D-23110-2) SHIPALT LHA1-01131D-ACCOMP, INSTL LP TURB DR PPG BELLOWS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01131D WHICH INSTALLS A METAL EXPANSION BELLOW IN THE MAIN PROPULSION LP TURBINE DRAIN PIPE TO ACCOMMODATE THERMAL EXPANSION. EXISTING UNITS HAVE BEEN DISCOVERED TO HAVE CRACKED PIPE WELDS WHERE THE PIPES ARE ATTACHED TO THE CYLINDER. |

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**Task/Abbreviation:** I-23111-001- -HP TURB FLEX CPLG - INSP**MJC:** EXECI062**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-23111-001)THE PROPULSION HP TURBINE  
FLEXIBLE COUPLING REQUIRES INSPECTIONDISASSEMBLE, CLEAN AND INSPECT THE PROPULSION HP TURBINE  
FLEXIBLE COUPLING. MEASURE AND RECORD BACKLASH AND  
CLEARANCES. MATCH MARK, NDT AND MOMENT WEIGHT COUPLING  
FASTENERS. INSPECT OIL PASSAGES TO ENSURE UNRESTRICTED  
FLOW. ENSURE SATISFACTORY TURBINE TO REDUCTION GEAR  
ALIGNMENT IN ACCORDANCE WITH APPLICABLE TECHNICAL  
MANUAL. REASSEMBLE COUPLING AND REPLACE MISSING AND/OR  
UNSERVICEABLE FASTENERS. REPORT CONDITIONS FOUND TO  
THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.



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**Task/Abbreviation:** I-23111-002- -LP TURB FLEX CPLG - INSP**MJC:** EXECI063**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** **ManDays:** 3 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-23111-002)THE PROPULSION LP TURBINE  
FLEXIBLE COUPLING REQUIRES INSPECTION**Recommended Solution:**DISASSEMBLE, CLEAN AND INSPECT THE PROPULSION LP TURBINE  
FLEXIBLE COUPLING. MEASURE AND RECORD BACKLASH AND  
CLEARANCES. MATCH MARK, NDT AND MOMENT-WEIGHT COUPLING  
FASTENERS. INSPECT OIL PASSAGES TO ENSURE UNRESTRICTED  
FLOW. ENSURE SATISFACTORY TURBINE TO REDUCTION GEAR  
ALIGNMENT IN ACCORDANCE WITH APPLICABLE TECHNICAL  
MANUAL. REASSEMBLE COUPLING AND REPLACE MISSING AND/OR  
UNSERVICEABLE FASTENERS. REPORT CONDITIONS FOUND TO THE  
NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.

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|----------------------------------------------------------|--------------|---------------|-------------------|-------------------|--------------------|
| Task/Abbreviation: Q-23111-003- -PRPLN HP STM TURB - RPR |              |               | MJC: EXECQA16     |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2            | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 13,500 | ManDays: 300      | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3            |                   |                    |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-23111-003)TURBINE REQUIRES REPAIR | REPAIR HP TURBINE PER CONDITION ASSESSMENT REPORT. OPEN TURBINE CASING. MEASURE AND RECORD AS FOUND AND POST REPAIR CLEARANCES, RUNOUTS AND ALIGNMENT DATA. REMOVE TURBINE ROTOR, NOZZLE DIAPHRAGM AND NOZZLE PLATE TO SHOP AND BLAST WITH ALUM OXIDE (220 MESH). CLEAN AND INSPECT ALL COMPONENTS AND ACCOMPLISH NDT TESTING. REPORT CONDITIONS FOUND TO THE NSA. A. REPLACE LABYRINTH TYPE PACKING ASSEMBLIES. B. REPLACE OIL DEFLECTORS. C. REBABBITT JOURNAL BEARINGS. D. REBABBITT THRUST BEARINGS. E. REPLACE THRUST COLLARS. F. RE-ESTABLISH BEARING CLEARANCE CONSTANTS. REASSEMBLE USING NEW GASKETS AND REPLACE MISSING/UNSERVICEABLE FASTENERS. DYNAMICALLY BALANCE ROTOR ASSEMBLIES. ACCOMPLISH SATISFACTORY OPERATIONAL TEST AND VIBRATION ANALYSIS SURVEY. |

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| Task/Abbreviation: Q-23111-004- -PRPLN LP STM TURB - RPR |              |               | MJC: EXECQA18     |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2            | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 13,500 | ManDays: 300      | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3            |                   |                    |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-23111-004)TURBINE REQUIRES REPAIR | REPAIR LP TURBINE PER CONDITION ASSESSMENT REPORT. OPEN TURBINE CASING. MEASURE AND RECORD AS FOUND AND POST REPAIR CLEARANCES, RUNOUTS AND ALIGNMENT DATA. REMOVE TURBINE ROTOR, NOZZLE DIAPHRAGM AND NOZZLE PLATE TO SHOP AND BLAST WITH ALUM OXIDE (220 MESH). CLEAN AND INSPECT ALL COMPONENTS AND ACCOMPLISH NDT TESTING. REPORT CONDITIONS FOUND TO THE NSA. A. REPLACE LABYRINTH TYPE PACKING ASSEMBLIES. B. REPLACE OIL DEFLECTORS. C. REBABBITT JOURNAL BEARINGS. D. REBABBITT THRUST BEARINGS. E. REPLACE THRUST COLLARS. F. RE-ESTABLISH BEARING CLEARANCE CONSTANTS. REASSEMBLE USING NEW GASKETS AND REPLACE MISSING/UNSERVICEABLE FASTENERS. DYNAMICALLY BALANCE ROTOR ASSEMBLIES. ACCOMPLISH SATISFACTORY OPERATIONAL TEST AND VIBRATION ANALYSIS SURVEY. |

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**Task/Abbreviation:** Q-23111-005- -INL STM CONT VLV - RPR**MJC:** EXECQA20**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-23111-005)CONTROL VALVE ASSEMBLY  
REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE INLET STEAM CONTROL VALVE GEAR ASSEMBLY (LIFTING BEAM TYPE) OF THE HIGH PRESSURE PROPULSION TURBINE PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE VALVE COVER OFF TURBINE CASING AND INSTALL PROTECTIVE COVER ON TURBINE CASING. DISASSEMBLE, INSPECT AND NDT VALVE GEAR COMPONENTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. A. REPAIR LIFTING BEAM. B. REPLACE LIFTING BEAM. C. REPLACE SPRINGS. D. RESURFACE AND MACHINE TORQUE SHAFT. E. REPLACE TORQUE SHAFT. F. REPLACE TORQUE SHAFT BEARINGS. G. RESURFACE AND MACHINE VALVES. H. REPLACE VALVES. I. RESURFACE AND MACHINE VALVE SEATS. J. REPLACE VALVE SEATS. K. REPLACE LIFT RODS. L. REPLACE NITRATED LIFT ROD BUSHINGS (UPPER AND LOWER). ENSURE THAT VALVE COVER AND TURBINE CASING JOINTS ARE IN GOOD CONDITION. SET CRACKING POINT ON VALVES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-23111-006- -HP TURB BRG - INSP/RPR/REPL**MJC:** EXECQA22**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 675 **ManDays:** 15 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:** **Problem Description:**

BASELINE (Q-23111-006)BEARINGS REQUIRE REPAIR

**Recommended Solution:**

INSPECT AND REPAIR OR REPLACE THE DESIGNATED BEARINGS OF THE PROPULSION STEAM TURBINE (HP ELEMENT) PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT ALL BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. ACCOMPLISH AS FOUND BEARING PINCH CHECKS. MEASURE AND RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. ENSURE BEARING HOUSINGS CONCENTRICITY TO UNIT CENTERLINE. MEASURE AND RECORD BEARING AND JOURNAL DIMENSIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF AUTHORIZED REPAIRS, AS LISTED FROM THE FOLLOWING LIST, ENSURE SATISFACTORY BEARING PINCH AND CLEARANCES AND ASSEMBLE BEARING HOUSINGS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. A. RESURFACE AND MACHINE JOURNAL. B. REBABBITT DESIGNATED JOURNAL BEARINGS. C. REPLACE DESIGNATED JOURNAL BEARINGS. D. REPLACE DESIGNATED OIL DEFLECTORS. E. GRIND THRUST COLLAR. F. REPLACE THRUST COLLAR. G. REPAIR ROTOR POSITION INDICATORS. H. RE-ESTABLISH BEARING CLEARANCE CONSTANTS.

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**Task/Abbreviation:** Q-23111-007- -LP TURB BRG - INSP/RPR/REPL**MJC:** EXECQA24**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-23111-007)BEARINGS REQUIRE REPAIR

INSPECT AND REPAIR OR REPLACE THE DESIGNATED BEARINGS OF THE PROPULSION STEAM TURBINE (LP ELEMENT) PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT ALL BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. ACCOMPLISH AS FOUND BEARING PINCH CHECKS. MEASURE AND RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. ENSURE BEARING HOUSINGS CONCENTRICITY TO UNIT CENTERLINE. MEASURE AND RECORD BEARING AND JOURNAL DIMENSIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF AUTHORIZED REPAIRS, AS LISTED FROM THE FOLLOWING LIST, ENSURE SATISFACTORY BEARING PINCH AND CLEARANCES AND ASSEMBLE BEARING HOUSINGS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. A. RESURFACE AND MACHINE JOURNAL. B. REBABBITT DESIGNATED JOURNAL BEARINGS. C. REPLACE DESIGNATED JOURNAL BEARINGS. D. REPLACE DESIGNATED OIL DEFLECTORS. E. GRIND THRUST COLLAR. F. REPLACE THRUST COLLAR. G. REPAIR ROTOR POSITION INDICATORS. H. RE-ESTABLISH BEARING CLEARANCE CONSTANTS.

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**Task/Abbreviation:** I-23111-009- -HP/LP STM TURB UNIT - INSP/TST**MJC:** EXECI301**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-23111-009)THE PROPULSION STEAM TURBINE  
UNIT (HP AND LP ELEMENTS) REQUIRES  
INSPECTION AND OPERATIONAL TESTINSPECT AND TEST UNDERWAY THE PROPULSION STEAM TURBINE  
UNIT (HP AND LP ELEMENTS). REPORT CONDITIONS FOUND TO THE  
SHIP'S CSMP. TO INCLUDE: A. ALARM AND SAFETY DEVICES. B.  
OPERATIONAL TEST. C. VIBRATION ANALYSIS SURVEY. D.  
ACOUSTIC SURVEY FOR VACUUM LEAKS. E. INFRARED SURVEY OF  
TURBINE INSULATION. PROVIDE "AS-FOUND MATERIAL CONDITION"  
CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN"  
FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| <b>Task/Abbreviation:</b> Q-23111-010- -HP TURB ROTOR INDICATOR - RPR |  |                                                               |  | <b>MJC:</b> EXECJAW9 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                                                |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                           |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                                |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 500                                                                                                                                                                                                    |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                               |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                          |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                                   |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                             |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-23111-010)TURBINE ROTOR POSITION INDICATOR REQUIRES REPAIR |  |                      |  | REPAIR HP TURBINE ROTOR POSITION INDICATOR AS FOLLOWS:<br>REMOVE INDICATOR FROM TURBINE. CLEAN AND INSPECT.<br>REPLACE ANY PARTS FOUND DEFECTIVE. VERIFY PROPER ROTOR AXIAL POSITION. REINSTALL AND CALIBRATE INDICATOR. |  |                          |  |                |  |



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| <b>Task/Abbreviation:</b> Q-23111-011- -HP TURB LABYRINTHS - REPL |  |                     |  | <b>MJC:</b> EXECJAX0 |  | <b>Rev Date:</b> 9/1/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 500     |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                 | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                          |
| BASELINE       | (Q-23111-011)LABYRINTH REQUIRES REPLACEMENT | REPLACE HP TURBINE LABYRINTH SEALS AS FOLLOWS:<br>DISASSEMBLE, CLEAN AND EXAMINE THE LABYRINTH STEAM SEAL ASSEMBLIES FOR WEAR AND DEFECTS. POLISH THE SHAFT IN WAY OF SEAL REMOVALS. REPLACE WITH NEW LABYRINTH PACKING ASSEMBLIES. REASSEMBLE AND RELAG CASING AND PIPING. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-23111-012- -HP TURB OIL DEFLECTORS - REPL |              |               | MJC: EXECJAX1  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 500 | ManDays: 3        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                        |
| BASELINE | (Q-23111-012)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE HP TURBINE OIL DEFLECTORS AS FOLLOWS: REMOVE OLD DEFLECTORS. STONE SHAFT IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-23111-013- -HP TURB THRUST BRG - RPR |              |               | MJC: EXECJAX2    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,500 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-23111-013)THRUST BEARING REQUIRES REPAIR | REPAIR HP TURBINE THRUST BEARING AS FOLLOWS: REMOVE BEARING COVER. DISASSEMBLE THE THRUST BEARING. INSPECT THRUST COLLAR, SHOES AND PADS. REPAIR/REPLACE PARTS FOUND UNSUITABLE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THRUST BEARING AND SHIM AS NECESSARY TO OBTAIN THRUST CLEARANCE. INSTALL BEARING COVER. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-23111-014- -HP TURB JOURNAL BRGS - RPR |              |               | MJC: EXECJAX3    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,500 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-23111-014)BEARINGS REQUIRE REPAIR | REPAIR HP TURBINE JOURNAL BEARINGS AS FOLLOWS: REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. DISASSEMBLE BEARING. CLEAN AND EXAMINE THE BEARING FOR WEAR OR DEFECTS. REBABBIT/REPAIR BEARINGS THAT ARE OUT OF TOLERANCE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THE BEARING AND REINSTALL. ENSURE OIL PASSAGE TO THE BEARING IS FREE OF DIRT OR DEBRIS. ASSEMBLE BEARING HOUSING. ESTABLISH NEW BEARING CONSTANT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-23111-015- -LP TURB ROTOR INDICATOR - RPR |  |                                                               |  | MJC: EXECJAX4 |  | Rev Date: 9/1/2011                                                                                                                                                                                                       |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N                                                  |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                   |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 0                                                       |  | Equip/Task: 1 |  | Matl Cost: 500                                                                                                                                                                                                           |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                          |  |                                                               |  | Repair Pool:  |  |                                                                                                                                                                                                                          |  | MCC: 3            |  |         |  |
| Reason:                                                        |  | Problem Description:                                          |  |               |  | Recommended Solution:                                                                                                                                                                                                    |  |                   |  |         |  |
| BASELINE                                                       |  | (Q-23111-015)TURBINE ROTOR POSITION INDICATOR REQUIRES REPAIR |  |               |  | REPAIR LP TURBINE ROTOR POSITION INDICATOR AS FOLLOWS:<br>REMOVE INDICATOR FROM TURBINE. CLEAN AND INSPECT.<br>REPLACE ANY PARTS FOUND DEFECTIVE. VERIFY PROPER ROTOR AXIAL POSITION. REINSTALL AND CALIBRATE INDICATOR. |  |                   |  |         |  |

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| <b>Task/Abbreviation:</b> Q-23111-016- -LP TURB LABYRINTHS - REPL |  |                     |  | <b>MJC:</b> EXECJAX5 |  | <b>Rev Date:</b> 9/1/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 500     |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                 | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                          |
| BASELINE       | (Q-23111-016)LABYRINTH REQUIRES REPLACEMENT | REPLACE LP TURBINE LABYRINTH SEALS AS FOLLOWS:<br>DISASSEMBLE, CLEAN AND EXAMINE THE LABYRINTH STEAM SEAL ASSEMBLIES FOR WEAR AND DEFECTS. POLISH THE SHAFT IN WAY OF SEAL REMOVALS. REPLACE WITH NEW LABYRINTH PACKING ASSEMBLIES. REASSEMBLE AND RELAG CASING AND PIPING. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-23111-017- -LP TURB OIL DEFLECTORS - REPL |                     |                      | <b>MJC:</b> EXECJAX6  |                          | <b>Rev Date:</b> 9/1/2011 |
| <b>RCM Analysis:</b>                                                  | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 2         | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                                | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 500 | <b>ManDays:</b> 3        | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                          |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                     | <b>Recommended Solution:</b>                                                                                                                                                 |
| BASELINE       | (Q-23111-017)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE LP TURBINE OIL DEFLECTORS AS FOLLOWS: REMOVE OLD DEFLECTORS. STONE SHAFT IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-23111-018- -LP TURB THRUST BRG - RPR |              |               | MJC: EXECJAX7    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,500 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-23111-018)THRUST BEARING REQUIRES REPAIR | REPAIR LP TURBINE THRUST BEARING AS FOLLOWS: REMOVE BEARING COVER. DISASSEMBLE THE THRUST BEARING. INSPECT THRUST COLLAR, SHOES AND PADS. REPAIR/REPLACE PARTS FOUND UNSUITABLE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THRUST BEARING AND SHIM AS NECESSARY TO OBTAIN THRUST CLEARANCE. INSTALL BEARING COVER. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-23111-019- -LP TURB JOURNAL BRGS - RPR |  |              |  | MJC: EXECJAX8 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 5,500   |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-23111-019)BEARINGS REQUIRE REPAIR | REPAIR LP TURBINE JOURNAL BEARINGS AS FOLLOWS: REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. DISASSEMBLE BEARING. CLEAN AND EXAMINE THE BEARING FOR WEAR OR DEFECTS. REBABBIT/REPAIR BEARINGS THAT ARE OUT OF TOLERANCE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THE BEARING AND REINSTALL. ENSURE OIL PASSAGE TO THE BEARING IS FREE OF DIRT OR DEBRIS. ASSEMBLE BEARING HOUSING. ESTABLISH NEW BEARING CONSTANT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-23112-001- -HP TURB FLEX CPLG - INSP**MJC:** EXECI363**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-23112-001)THE PROPULSION HP TURBINE  
FLEXIBLE COUPLING REQUIRES INSPECTIONDISASSEMBLE, CLEAN AND INSPECT THE PROPULSION HP TURBINE  
FLEXIBLE COUPLING. MEASURE AND RECORD BACKLASH AND  
CLEARANCES. MATCH MARK, NDT AND MOMENT WEIGHT COUPLING  
FASTENERS. INSPECT OIL PASSAGES TO ENSURE UNRESTRICTED  
FLOW. ENSURE SATISFACTORY TURBINE TO REDUCTION GEAR  
ALIGNMENT IN ACCORDANCE WITH APPLICABLE TECHNICAL  
MANUAL. REASSEMBLE COUPLING AND REPLACE MISSING AND/OR  
UNSERVICEABLE FASTENERS. REPORT CONDITIONS FOUND TO THE  
NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-23112-002- -LP TURB FLEX CPLG - INSP**MJC:** EXECI297**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-23112-002)THE PROPULSION LP TURBINE  
FLEXIBLE COUPLING REQUIRES INSPECTIONDISASSEMBLE, CLEAN AND INSPECT THE PROPULSION LP TURBINE  
FLEXIBLE COUPLING. MEASURE AND RECORD BACKLASH AND  
CLEARANCES. MATCH MARK, NDT AND MOMENT-WEIGHT COUPLING  
FASTENERS. INSPECT OIL PASSAGES TO ENSURE UNRESTRICTED  
FLOW. ENSURE SATISFACTORY TURBINE TO REDUCTION GEAR  
ALIGNMENT IN ACCORDANCE WITH APPLICABLE TECHNICAL  
MANUAL. REASSEMBLE COUPLING AND REPLACE MISSING AND/OR  
UNSERVICEABLE FASTENERS. REPORT CONDITIONS FOUND TO THE  
NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-23112-003- -PRPLN HP STM TURB - RPR**MJC:** EXECQA17**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 13,500**ManDays:** 300**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-23112-003)TURBINE REQUIRES REPAIR

REPAIR HP TURBINE PER CONDITION ASSESSMENT REPORT. OPEN TURBINE CASING. MEASURE AND RECORD AS FOUND AND POST REPAIR CLEARANCES, RUNOUTS AND ALIGNMENT DATA. REMOVE TURBINE ROTOR, NOZZLE DIAPHRAGM AND NOZZLE PLATE TO SHOP AND BLAST WITH ALUM OXIDE (220 MESH). CLEAN AND INSPECT ALL COMPONENTS AND ACCOMPLISH NDT TESTING. REPORT CONDITIONS FOUND TO THE NSA. A. REPLACE LABYRINTH TYPE PACKING ASSEMBLIES. B. REPLACE OIL DEFLECTORS. C. REBABBITT JOURNAL BEARINGS. D. REBABBITT THRUST BEARINGS. E. REPLACE THRUST COLLARS. F. RE-ESTABLISH BEARING CLEARANCE CONSTANTS. REASSEMBLE USING NEW GASKETS AND REPLACE MISSING/UNSERVICEABLE FASTENERS. DYNAMICALLY BALANCE ROTOR ASSEMBLIES. ACCOMPLISH SATISFACTORY OPERATIONAL TEST AND VIBRATION ANALYSIS SURVEY.

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| Task/Abbreviation: Q-23112-004- -PRPLN LP STM TURB - RPR |              |               | MJC: EXECQA19     |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2            | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 13,500 | ManDays: 300      | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3            |                   |                    |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-23112-004)TURBINE REQUIRES REPAIR | REPAIR LP TURBINE PER CONDITION ASSESSMENT REPORT. OPEN TURBINE CASING. MEASURE AND RECORD AS FOUND AND POST REPAIR CLEARANCES, RUNOUTS AND ALIGNMENT DATA. REMOVE TURBINE ROTOR, NOZZLE DIAPHRAGM AND NOZZLE PLATE TO SHOP AND BLAST WITH ALUM OXIDE (220 MESH). CLEAN AND INSPECT ALL COMPONENTS AND ACCOMPLISH NDT TESTING. REPORT CONDITIONS FOUND TO THE NSA. A. REPLACE LABYRINTH TYPE PACKING ASSEMBLIES. B. REPLACE OIL DEFLECTORS. C. REBABBITT JOURNAL BEARINGS. D. REBABBITT THRUST BEARINGS. E. REPLACE THRUST COLLARS. F. RE-ESTABLISH BEARING CLEARANCE CONSTANTS. REASSEMBLE USING NEW GASKETS AND REPLACE MISSING/UNSERVICEABLE FASTENERS. DYNAMICALLY BALANCE ROTOR ASSEMBLIES. ACCOMPLISH SATISFACTORY OPERATIONAL TEST AND VIBRATION ANALYSIS SURVEY. |

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**Task/Abbreviation:** Q-23112-005- -INL STM CONT VLV - RPR**MJC:** EXECQA21**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-23112-005)CONTROL VALVE ASSEMBLY  
REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE INLET STEAM CONTROL VALVE GEAR ASSEMBLY (LIFTING BEAM TYPE) OF THE HIGH PRESSURE PROPULSION TURBINE PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE VALVE COVER OFF TURBINE CASING AND INSTALL PROTECTIVE COVER ON TURBINE CASING. DISASSEMBLE, INSPECT AND NDT VALVE GEAR COMPONENTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. A. REPAIR LIFTING BEAM. B. REPLACE LIFTING BEAM. C. REPLACE SPRINGS. D. RESURFACE AND MACHINE TORQUE SHAFT. E. REPLACE TORQUE SHAFT. F. REPLACE TORQUE SHAFT BEARINGS. G. RESURFACE AND MACHINE VALVES. H. REPLACE VALVES. I. RESURFACE AND MACHINE VALVE SEATS. J. REPLACE VALVE SEATS. K. REPLACE LIFT RODS. L. REPLACE NITRATED LIFT ROD BUSHINGS (UPPER AND LOWER). ENSURE THAT VALVE COVER AND TURBINE CASING JOINTS ARE IN GOOD CONDITION. SET CRACKING POINT ON VALVES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-23112-006- -HP TURB BRG - INSP/RPR/REPL**MJC:** EXECQA23**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-23112-006)BEARINGS REQUIRE REPAIR

INSPECT AND REPAIR OR REPLACE THE DESIGNATED BEARINGS OF THE PROPULSION STEAM TURBINE (HP ELEMENT) PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT ALL BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. ACCOMPLISH AS FOUND BEARING PINCH CHECKS. MEASURE AND RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. ENSURE BEARING HOUSINGS CONCENTRICITY TO UNIT CENTERLINE. MEASURE AND RECORD BEARING AND JOURNAL DIMENSIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF AUTHORIZED REPAIRS, AS LISTED FROM THE FOLLOWING LIST, ENSURE SATISFACTORY BEARING PINCH AND CLEARANCES AND ASSEMBLE BEARING HOUSINGS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. A. RESURFACE AND MACHINE JOURNAL. B. REBABBITT DESIGNATED JOURNAL BEARINGS. C. REPLACE DESIGNATED JOURNAL BEARINGS. D. REPLACE DESIGNATED OIL DEFLECTORS. E. GRIND THRUST COLLAR. F. REPLACE THRUST COLLAR. G. REPAIR ROTOR POSITION INDICATORS. H. RE-ESTABLISH BEARING CLEARANCE CONSTANTS.

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**Task/Abbreviation:** Q-23112-007- -LP TURB BRG - INSP/RPR/REPL**MJC:** EXECQA25**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 675 **ManDays:** 15 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:** **Problem Description:**

BASELINE (Q-23112-007)BEARINGS REQUIRE REPAIR

**Recommended Solution:**

INSPECT AND REPAIR OR REPLACE THE DESIGNATED BEARINGS OF THE PROPULSION STEAM TURBINE (LP ELEMENT) PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT ALL BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. ACCOMPLISH AS FOUND BEARING PINCH CHECKS. MEASURE AND RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. ENSURE BEARING HOUSINGS CONCENTRICITY TO UNIT CENTERLINE. MEASURE AND RECORD BEARING AND JOURNAL DIMENSIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF AUTHORIZED REPAIRS, AS LISTED FROM THE FOLLOWING LIST, ENSURE SATISFACTORY BEARING PINCH AND CLEARANCES AND ASSEMBLE BEARING HOUSINGS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. A. RESURFACE AND MACHINE JOURNAL. B. REBABBITT DESIGNATED JOURNAL BEARINGS. C. REPLACE DESIGNATED JOURNAL BEARINGS. D. REPLACE DESIGNATED OIL DEFLECTORS. E. GRIND THRUST COLLAR. F. REPLACE THRUST COLLAR. G. REPAIR ROTOR POSITION INDICATORS. H. RE-ESTABLISH BEARING CLEARANCE CONSTANTS.



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**Task/Abbreviation:** I-23112-009- -HP/LP STM TURB UNIT - INSP/TST**MJC:** EXECI302**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-23112-009)THE PROPULSION STEAM TURBINE  
UNIT (HP AND LP ELEMENTS) REQUIRES  
INSPECTION AND OPERATIONAL TESTINSPECT AND TEST UNDERWAY THE PROPULSION STEAM TURBINE  
UNIT (HP AND LP ELEMENTS). REPORT CONDITIONS FOUND TO THE  
SHIP'S CSMP. TO INCLUDE: A. ALARM AND SAFETY DEVICES. B.  
OPERATIONAL TEST. C. VIBRATION ANALYSIS SURVEY. D.  
ACOUSTIC SURVEY FOR VACUUM LEAKS. E. INFRARED SURVEY OF  
TURBINE INSULATION. PROVIDE "AS-FOUND MATERIAL CONDITION"  
CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN"  
FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| <b>Task/Abbreviation:</b> Q-23112-010- -HP TURB ROTOR INDICATOR - RPR |  |                                                               |  | <b>MJC:</b> EXECJAZ2 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                                                |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                           |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                                |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 500                                                                                                                                                                                                    |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                               |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                          |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                                   |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                             |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-23112-010)TURBINE ROTOR POSITION INDICATOR REQUIRES REPAIR |  |                      |  | REPAIR HP TURBINE ROTOR POSITION INDICATOR AS FOLLOWS:<br>REMOVE INDICATOR FROM TURBINE. CLEAN AND INSPECT.<br>REPLACE ANY PARTS FOUND DEFECTIVE. VERIFY PROPER ROTOR AXIAL POSITION. REINSTALL AND CALIBRATE INDICATOR. |  |                          |  |                |  |

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| Task/Abbreviation: Q-23112-011- -HP TURB LABYRINTHS - REPL |              | MJC: EXECJAZ3 | Rev Date: 9/1/2011 |                   |         |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2             | Removal Required: |         |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 500     | ManDays: 3        | Alt No: |
| Referenced Authority:                                      | Repair Pool: | MCC: 3        |                    |                   |         |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-23112-011)LABYRINTH REQUIRES REPLACEMENT | REPLACE HP TURBINE LABYRINTH SEALS AS FOLLOWS:<br>DISASSEMBLE, CLEAN AND EXAMINE THE LABYRINTH STEAM SEAL ASSEMBLIES FOR WEAR AND DEFECTS. POLISH THE SHAFT IN WAY OF SEAL REMOVALS. REPLACE WITH NEW LABYRINTH PACKING ASSEMBLIES. REASSEMBLE AND RELAG CASING AND PIPING. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-23112-012- -HP TURB OIL DEFLECTORS - REPL |         |               | MJC: EXECJAZ4  |            | Rev Date: 9/1/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 500 | ManDays: 3 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                        |
| BASELINE | (Q-23112-012)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE HP TURBINE OIL DEFLECTORS AS FOLLOWS: REMOVE OLD DEFLECTORS. STONE SHAFT IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-23112-013- -HP TURB THRUST BRG - RPR |              |               | MJC: EXECJAZ5    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,500 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-23112-013)THRUST BEARING REQUIRES REPAIR | REPAIR HP TURBINE THRUST BEARING AS FOLLOWS: REMOVE BEARING COVER. DISASSEMBLE THE THRUST BEARING. INSPECT THRUST COLLAR, SHOES AND PADS. REPAIR/REPLACE PARTS FOUND UNSUITABLE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THRUST BEARING AND SHIM AS NECESSARY TO OBTAIN THRUST CLEARANCE. INSTALL BEARING COVER. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-23112-014- -HP TURB JOURNAL BRGS - RPR |              |               | MJC: EXECJAZ6    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,500 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-23112-014)BEARINGS REQUIRE REPAIR | REPAIR HP TURBINE JOURNAL BEARINGS AS FOLLOWS: REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. DISASSEMBLE BEARING. CLEAN AND EXAMINE THE BEARING FOR WEAR OR DEFECTS. REBABBIT/REPAIR BEARINGS THAT ARE OUT OF TOLERANCE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THE BEARING AND REINSTALL. ENSURE OIL PASSAGE TO THE BEARING IS FREE OF DIRT OR DEBRIS. ASSEMBLE BEARING HOUSING. ESTABLISH NEW BEARING CONSTANT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-23112-015- -LP TURB ROTOR INDICATOR - RPR |  |                                                               |  | <b>MJC:</b> EXECJAZ7 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                                                |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                           |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                                |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 500                                                                                                                                                                                                    |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                               |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                          |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                                   |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                             |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-23112-015)TURBINE ROTOR POSITION INDICATOR REQUIRES REPAIR |  |                      |  | REPAIR LP TURBINE ROTOR POSITION INDICATOR AS FOLLOWS:<br>REMOVE INDICATOR FROM TURBINE. CLEAN AND INSPECT.<br>REPLACE ANY PARTS FOUND DEFECTIVE. VERIFY PROPER ROTOR AXIAL POSITION. REINSTALL AND CALIBRATE INDICATOR. |  |                          |  |                |  |

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| Task/Abbreviation: Q-23112-016- -LP TURB LABYRINTHS - REPL |  |              |  | MJC: EXECJAZ8 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 500     |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-23112-016)LABYRINTH REQUIRES REPLACEMENT | REPLACE LP TURBINE LABYRINTH SEALS AS FOLLOWS:<br>DISASSEMBLE, CLEAN AND EXAMINE THE LABYRINTH STEAM SEAL ASSEMBLIES FOR WEAR AND DEFECTS. POLISH THE SHAFT IN WAY OF SEAL REMOVALS. REPLACE WITH NEW LABYRINTH PACKING ASSEMBLIES. REASSEMBLE AND RELAG CASING AND PIPING. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-23112-017- -LP TURB OIL DEFLECTORS - REPL |         |               | MJC: EXECJAZ9  |            | Rev Date: 9/1/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 500 | ManDays: 3 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                        |
| BASELINE | (Q-23112-017)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE LP TURBINE OIL DEFLECTORS AS FOLLOWS: REMOVE OLD DEFLECTORS. STONE SHAFT IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------|--------------|---------------|------------------|-------------------|--------------------|
| Task/Abbreviation: Q-23112-018- -LP TURB THRUST BRG - RPR |              |               | MJC: EXECJB00    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,500 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                     | Repair Pool: | MCC: 3        |                  |                   |                    |

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|----------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-23112-018)THRUST BEARING REQUIRES REPAIR | REPAIR LP TURBINE THRUST BEARING AS FOLLOWS: REMOVE BEARING COVER. DISASSEMBLE THE THRUST BEARING. INSPECT THRUST COLLAR, SHOES AND PADS. REPAIR/REPLACE PARTS FOUND UNSUITABLE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THRUST BEARING AND SHIM AS NECESSARY TO OBTAIN THRUST CLEARANCE. INSTALL BEARING COVER. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-23112-019- -LP TURB JOURNAL BRGS - RPR**MJC:** EXECJBA0**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 5,500**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-23112-019)BEARINGS REQUIRE REPAIR

REPAIR LP TURBINE JOURNAL BEARINGS AS FOLLOWS: REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. DISASSEMBLE BEARING. CLEAN AND EXAMINE THE BEARING FOR WEAR OR DEFECTS. REBABBIT/REPAIR BEARINGS THAT ARE OUT OF TOLERANCE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THE BEARING AND REINSTALL. ENSURE OIL PASSAGE TO THE BEARING IS FREE OF DIRT OR DEBRIS. ASSEMBLE BEARING HOUSING. ESTABLISH NEW BEARING CONSTANT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** I-24111-001- -PRPLN RDCN GR - INSP**MJC:** EXECI296**Rev Date:** 7/26/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 800**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-24111-001)THE PROPULSION REDUCTION GEAR  
UNIT REQUIRES INSPECTION

ACCOMPLISH A PRE-AVAILABILITY VIBRATION ANALYSIS SURVEY OF THE PROPULSION REDUCTION GEAR UNIT. REMOVE THE OIL, CLEAN AND GAS-FREE THE SUMP. ACCOMPLISH A VISUAL INTERNAL INSPECTION OF THE SUMP. RECORD ANY FOUNDATION INDICATIONS OR DISCONTINUITIES NOTED. FILL SUMP WITH LUBE OIL AND ACCOMPLISH A VISUAL EXAMINATION OF THE GEAR TEETH. IF MISALIGNMENT IS INDICATED, CONDUCT AN OPERATIONAL INSPECTION USING THE DYKEM APPLICATION METHOD. SUBMIT A REPORT OF CONDITIONS FOUND TO THE SHIP'S CSMP. ACCOMPLISH A NON-DESTRUCTIVE TEST IF STRUCTURAL MEMBER WELDING DISCONTINUITIES ARE SUSPECTED OR NOTED. REFILL WITH OIL. NOTES: 1. SHIP'S FORCE TO EMPTY, CLEAN AND REFILL SUMP. 2. RMC TO SUPPLY HISTORICAL VIBRATION DATA. 3. RMC TO INSPECT GEAR TEETH CONTACT (VISUAL AND DYKEM METHOD ). 4. TO INCLUDE VISUAL INSPECTION OF RESILIENT MOUNTS, IF INSTALLED. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-24111-004- -PRPLN RDCN GR - RPR |              |               | MJC: EXECQ077    |                   | Rev Date: 2/23/2009 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 6,900 | ManDays: 56       | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-24111-004)REDUCTION GEAR REQUIRES REPAIR | REMOVE THE UPPER-HALF COVERS OF THE PROPULSION REDUCTION GEAR FOR EXAMINATION. ACCOMPLISH GEAR TEETH BLUE CONTACT CHECK. CLEAN LUBE OIL SUMP. MEASURE OIL DEFLECTOR, JOURNAL AND THRUST BEARING CLEARANCES. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. ACCOMPLISH REPAIRS AS DESIGNATED. PROVIDE _____ MANDAYS AND _____ DOLLARS OF MATERIAL FOR REPAIRS. ON COMPLETION OF REPAIRS, REINSTALL COMPONENTS AND REPLACE UNSERVICEABLE FASTENERS. REFILL LUBE OIL SUMP. PROVIDE FINAL ALIGN DATA AND ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE 1. FOLLOW PHYSICAL SECURITY REQUIREMENTS AS NOTED IN NSTM CHAPTER 241. 2. PROVIDE THE SERVICES OF A MANUFACTURERS TECHNICAL REPRESENTATIVE. |

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| Task/Abbreviation: Q-24111-006- -ATCHD TURN GR - INSP/RPR/TST |              |               | MJC: EXECQ286  |                   | Rev Date: 12/11/2002 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                      |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 360 | ManDays: 8        | Alt No:              |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3         |                   |                      |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-24111-006)ATTACHED TURNING GEAR REQUIRES REPAIR | DISASSEMBLE AND INSPECT THE ATTACHED TURNING GEAR OF THE PROPULSION REDUCTION GEAR. MEASURE AND RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ASSEMBLE THE UNIT USING NEW GASKETS, KEYS AND SEALS. MEASURE AND RECORD POST-REPAIR DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMP A SATISFACTORY OPERATIONAL TEST. A. REPLACE DRIVING RING. B. REPLACE WORM GEAR, 1ST REDUCTION. C. REPLACE WORM, 1ST REDUCTION. D. REPLACE BEARING(S), 1ST REDUCTION WORM SHAFT. E. REPLACE WORM GEAR, 2ND REDUCTION. F. REPLACE WORM, 2ND REDUCTION. G. REPLACE BEARING(S), 2ND REDUCTION WORM SHAFT. H. RESURFACE AND MACHINE WORM SHAFT, 1ST REDUCTION. I. RESURFACE AND MACHINE WORM SHAFT, 2ND REDUCTION. |

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| Task/Abbreviation: Q-24111-007- -PRPLN RDCN GR - OIL FLUSH |  |              |  | MJC: EXECQ493 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900 |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-24111-007)PROPULSION REDUCTION GEAR REQUIRES OIL FLUSH | ACCOMPLISH AN OIL FLUSH OF THE PROPULSION REDUCTION GEAR AFTER DISCONNECTING, CLEANING AND PICKLING THE EXTERNAL LUBE OIL PIPING, INCLUDING THE OIL SPRAY NOZZLES. ENSURE THAT OIL SUMP IS CLEAN AND FREE FROM FOREIGN MATTER. REASSEMBLE ALL BEARINGS, BEARING HOUSINGS AND UPPER-HALF COVERS. USE A FULL-CAPACITY OIL PUMP AND BY-PASS BEARINGS. FLUSH THROUGH ONE BEARING OUTLET AT A TIME ENSURING MAXIMUM FLOW AND PRESSURE DROP AND UNTIL OIL CONDITION PROVES TO BE FREE FROM FOREIGN MATTER. CLEAN LUBE OIL SUMP (POST-FLUSHING). FLUSH THROUGH INSTALLED FILTER SYSTEM UNTIL VISUAL AND DELTA PRESSURE READINGS ARE ACCEPTABLE. ENSURE THAT NO FOREIGN MATTER IS PRESENT WITHIN SYSTEM BEFORE LOADING UNIT. |

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**Task/Abbreviation:** Q-24111-034- -MRG THRUST BRG - RPR**MJC:** EXECJAX9**Rev Date:** 5/12/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 3,200**ManDays:** 21**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-24111-034)THRUST BEARING REQUIRES REPAIR

REPAIR THE PROPULSION REDUCTION GEAR MAIN THRUST BEARING ASSEMBLY. REMOVE UPPER BEARING HOUSING COVER. ACCOMPLISH AS-FOUND THRUST BEARING ASSEMBLY DIMENSIONS AND CLEARANCES. REPORT CONDITIONS FOUND TO THE NSA. DISASSEMBLE THE BEARING IN ACCORDANCE WITH THE APPLICABLE TECH MANUAL AND ACCOMPLISH THE FOLLOWING: REFINISH THRUST COLLAR IF DAMAGED. REPLACE THRUST BEARING SHOES IF NOT WITHIN SPECS. GRIND THRUST BEARING RETAINING RINGS AS REQUIRED. ON COMPLETION OF REPAIRS AND REASSEMBLY, ENSURE SATISFACTORY THRUST BEARING CLEARANCE. REINSTALL BEARING COVER ENSURING THAT ALL BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. OPERATIONALLY TEST.



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| Task/Abbreviation: Q-24111-035- -MN THRUST BRG OIL LEAK - RPR |              |               | MJC: EXECJAY0  |                   | Rev Date: 5/16/2005 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 500 | ManDays: 5        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                                                          |
| BASELINE | (Q-24111-035)REDUCTION GEAR MAIN THRUST BEARING REQUIRES REPAIR | REPAIR REDUCTION GEAR MAIN THRUST BEARING OIL LEAK. REMOVE UPPER BEARING HOUSING COVER. REMOVE OIL SEAL ASSEMBLY. CLEAN PARTS EXPOSED BY REMOVALS. INSTALL NEW OIL SEAL ASSEMBLY. REINSTALL BEARING COVER. OPERATIONALLY TEST. |

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| Task/Abbreviation: I-24111-037- -MAIN RDCN GEARS - MRC G1T6 |  |              |  | MJC: EXECICZ2 |  | Rev Date: 12/7/2006 |  |                   |  |         |  |
| RCM Analysis: 7/12/2004                                     |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-24111-037)THE MAIN REDUCTION GEARS REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN REDUCTION GEARS ASSESSMENT IN ACCORDANCE WITH MRC G1T6 AS FOLLOWS: 1. INSPECT REDUCTION GEAR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-24111-040- -MAIN RDCN GEARS - MRC G1T9 |  |              | MJC: EXECIE27 |               | Rev Date: 8/30/2007 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                     |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 2     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                       |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-24111-040)THE MAIN REDUCTION GEARS REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN REDUCTION GEARS ASSESSMENT IN ACCORDANCE WITH MRC G1T9 AS FOLLOWS: 1. INSPECT NUMBER ONE MAIN REDUCTION GEAR(MRG). 2. INSPECT NUMBER TWO MAIN REDUCTION GEAR(MRG). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-24112-001- -PRPLN RDCN GR - INSP**MJC:** EXECI333**Rev Date:** 7/30/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 800**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-24112-001)THE PROPULSION REDUCTION GEAR  
UNIT REQUIRES INSPECTION

ACCOMPLISH A PRE-AVAILABILITY VIBRATION ANALYSIS SURVEY OF THE PROPULSION REDUCTION GEAR UNIT. REMOVE THE OIL, CLEAN AND GAS-FREE THE SUMP. ACCOMPLISH A VISUAL INTERNAL INSPECTION OF THE SUMP. RECORD ANY FOUNDATION INDICATIONS OR DISCONTINUITIES NOTED. FILL SUMP WITH LUBE OIL AND ACCOMPLISH A VISUAL EXAMINATION OF THE GEAR TEETH. IF MISALIGNMENT IS INDICATED, CONDUCT AN OPERATIONAL INSPECTION USING THE DYKEM APPLICATION METHOD. SUBMIT A REPORT OF CONDITIONS FOUND TO THE SHIP'S CSMP. ACCOMPLISH A NON-DESTRUCTIVE TEST IF STRUCTURAL MEMBER WELDING DISCONTINUITIES ARE SUSPECTED OR NOTED. REFILL WITH OIL. NOTES: 1. SHIP'S FORCE TO EMPTY, CLEAN AND REFILL SUMP. 2. RMC TO SUPPLY HISTORICAL VIBRATION DATA. 3. RMC TO INSPECT GEAR TEETH CONTACT (VISUAL AND DYKEM METHOD). 4. TO INCLUDE VISUAL INSPECTION OF RESILIENT MOUNTS, IF INSTALLED. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-24112-004- -PRPLN RDCN GR - RPR |              |               | MJC: EXECQ080    |                   | Rev Date: 2/23/2009 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 6,900 | ManDays: 56       | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-24112-004)REDUCTION GEAR REQUIRES REPAIR | REMOVE THE UPPER-HALF COVERS OF THE PROPULSION REDUCTION GEAR FOR EXAMINATION. ACCOMPLISH GEAR TEETH BLUE CONTACT CHECK. CLEAN LUBE OIL SUMP. MEASURE OIL DEFLECTOR, JOURNAL AND THRUST BEARING CLEARANCES. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. ACCOMPLISH REPAIRS AS DESIGNATED. PROVIDE _____ MANDAYS AND _____ DOLLARS OF MATERIAL FOR REPAIRS. ON COMPLETION OF REPAIRS, REINSTALL COMPONENTS AND REPLACE UNSERVICEABLE FASTENERS. REFILL LUBE OIL SUMP. PROVIDE FINAL ALIGN DATA AND ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE 1. FOLLOW PHYSICAL SECURITY REQUIREMENTS AS NOTED IN NSTM CHAPTER 241. 2. PROVIDE THE SERVICES OF A MANUFACTURERS TECHNICAL REPRESENTATIVE. |

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| Task/Abbreviation: Q-24112-006- -ATCHD TURN GR - INSP/RPR/TST |              |               | MJC: EXECQ287  |                   | Rev Date: 12/11/2002 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                      |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 360 | ManDays: 8        | Alt No:              |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3         |                   |                      |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-24112-006)ATTACHED TURNING GEAR REQUIRES REPAIR | DISASSEMBLE AND INSPECT THE ATTACHED TURNING GEAR OF THE PROPULSION REDUCTION GEAR. MEASURE AND RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ASSEMBLE THE UNIT USING NEW GASKETS, KEYS AND SEALS. MEASURE AND RECORD POST-REPAIR DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMP A SATISFACTORY OPERATIONAL TEST. A. REPLACE DRIVING RING. B. REPLACE WORM GEAR, 1ST REDUCTION. C. REPLACE WORM, 1ST REDUCTION. D. REPLACE BEARING(S), 1ST REDUCTION WORM SHAFT. E. REPLACE WORM GEAR, 2ND REDUCTION. F. REPLACE WORM, 2ND REDUCTION. G. REPLACE BEARING(S), 2ND REDUCTION WORM SHAFT. H. RESURFACE AND MACHINE WORM SHAFT, 1ST REDUCTION. I. RESURFACE AND MACHINE WORM SHAFT, 2ND REDUCTION. |

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| Task/Abbreviation: Q-24112-007- -PRPLN RDCN GR - OIL FLUSH |  |              |  | MJC: EXECQ494 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900 |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-24112-007)PROPULSION REDUCTION GEAR REQUIRES OIL FLUSH | ACCOMPLISH AN OIL FLUSH OF THE PROPULSION REDUCTION GEAR AFTER DISCONNECTING, CLEANING AND PICKLING THE EXTERNAL LUBE OIL PIPING, INCLUDING THE OIL SPRAY NOZZLES. ENSURE THAT OIL SUMP IS CLEAN AND FREE FROM FOREIGN MATTER. REASSEMBLE ALL BEARINGS, BEARING HOUSINGS AND UPPER-HALF COVERS. USE A FULL-CAPACITY OIL PUMP AND BY-PASS BEARINGS. FLUSH THROUGH ONE BEARING OUTLET AT A TIME ENSURING MAXIMUM FLOW AND PRESSURE DROP AND UNTIL OIL CONDITION PROVES TO BE FREE FROM FOREIGN MATTER. CLEAN LUBE OIL SUMP (POST-FLUSHING). FLUSH THROUGH INSTALLED FILTER SYSTEM UNTIL VISUAL AND DELTA PRESSURE READINGS ARE ACCEPTABLE. ENSURE THAT NO FOREIGN MATTER IS PRESENT WITHIN SYSTEM BEFORE LOADING UNIT. |

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**Task/Abbreviation:** Q-24112-033- -MRG THRUST BRG - RPR**MJC:** EXECJBA1**Rev Date:** 5/13/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 3,200**ManDays:** 21**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-24112-033)THRUST BEARING REQUIRES REPAIR

REPAIR THE PROPULSION REDUCTION GEAR MAIN THRUST BEARING ASSEMBLY. REMOVE UPPER BEARING HOUSING COVER. ACCOMPLISH AS-FOUND THRUST BEARING ASSEMBLY DIMENSIONS AND CLEARANCES. REPORT CONDITIONS FOUND TO THE NSA. DISASSEMBLE THE BEARING IN ACCORDANCE WITH THE APPLICABLE TECH MANUAL AND ACCOMPLISH THE FOLLOWING: REFINISH THRUST COLLAR IF DAMAGED. REPLACE THRUST BEARING SHOES IF NOT WITHIN SPECS. GRIND THRUST BEARING RETAINING RINGS AS REQUIRED. ON COMPLETION OF REPAIRS AND REASSEMBLY, ENSURE SATISFACTORY THRUST BEARING CLEARANCE. REINSTALL BEARING COVER ENSURING THAT ALL BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. OPERATIONALLY TEST.



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|---------------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-24112-034- -MN THRUST BRG OIL LEAK - RPR |              |               | MJC: EXECJBA2  |                   | Rev Date: 5/16/2005 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 500 | ManDays: 5        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                                                          |
| BASELINE | (Q-24112-034)REDUCTION GEAR MAIN THRUST BEARING REQUIRES REPAIR | REPAIR REDUCTION GEAR MAIN THRUST BEARING OIL LEAK. REMOVE UPPER BEARING HOUSING COVER. REMOVE OIL SEAL ASSEMBLY. CLEAN PARTS EXPOSED BY REMOVALS. INSTALL NEW OIL SEAL ASSEMBLY. REINSTALL BEARING COVER. OPERATIONALLY TEST. |

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| Task/Abbreviation: I-24112-037- -MAIN RDCN GEARS - MRC G1T6 |              |               | MJC: EXECICZ3 |                   | Rev Date: 12/6/2006 |
| RCM Analysis: 7/12/2004                                     | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 3                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-24112-037)THE MAIN REDUCTION GEAR REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN REDUCTION GEAR ASSESSMENT IN ACCORDANCE WITH MRC G1T6 AS FOLLOWS: 1. INSPECT REDUCTION GEAR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-24112-040- -MAIN RDCN GEARS - MRC G1T9**MJC:** EXECIE28**Rev Date:** 12/22/2006**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-24112-040)THE MAIN REDUCTION GEARS  
REQUIRES ASSESSMENT.ACCOMPLISH THE MAIN REDUCTION GEARS ASSESSMENT IN  
ACCORDANCE WITH MRC G1T9 AS FOLLOWS: 1. INSPECT NUMBER  
ONE MAIN REDUCTION GEAR(MRG). 2. INSPECT NUMBER TWO MAIN  
REDUCTION GEAR(MRG). REPORT CONDITIONS FOUND TO SHIP'S  
CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-24311-001- -PRPLN SHFT CVRNG (DD)-INSP                |                                     |              |               | MJC: EXECM074                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             | Rev Date: 1/28/2010 |                   |  |
| RCM Analysis:                                                              |                                     | Scheduled: N | Sit Reqs: D/D |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Qty: 2      |                     | Removal Required: |  |
| Lvl of Maint: 1                                                            |                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ManDays: 35 |                     | Alt No:           |  |
| Referenced Authority:                                                      |                                     |              | Repair Pool:  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MCC: 3      |                     |                   |  |
| NSTM CH-243, PARA 243-1.1.4, PARA 243-1.1.7.1, & 1.1.7.2 GC:030000,MA:1300 |                                     |              |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                     |                   |  |
| Reason:                                                                    | Problem Description:                |              |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |                     |                   |  |
| BASELINE                                                                   | (I-24311-001) NSTM REQUIREMENT DUE. |              |               | IAW NSTM CH-243, PARA. 243-1.1.4 & PARA. 243-1.1.7.1 & PARA. 243-1.1.7.2, INSPECT INPLACE THE PROPULSION SHAFT COVERING PER NSTM CHAPTER 243 AND REPORT CONDITIONS FOUND TO THE NSA. A. ACCOMPLISH A HIGH FREQUENCY SPARK TEST ON SHAFTING, SHAFT SLEEVES AND COVERED JOINT AREAS. B. INSPECT FOR PHYSICAL DAMAGE, DETERIORATION, POOR ADHESION, POROSITY AND OTHER DEFECTS. C. ACCOMPLISH SHAFT RUNOUT. **NOTE 1: ACCOMPLISH CONCURRENT WITH BEARING INSPECTION TASK M-24411-1. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |             |                     |                   |  |

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| Task/Abbreviation: I-24311-002- -(M) PRPLN SFT(DD)-RMV/IINSP/RPR            |                                     |              |               | MJC: EXECM075                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              | Rev Date: 9/17/2009 |                   |  |
| RCM Analysis:                                                               |                                     | Scheduled: Y | Sit Reqs: D/D |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Qty: 2       |                     | Removal Required: |  |
| Lvl of Maint: 1                                                             |                                     | Freq: 120    | Equip/Task: 1 | Matl Cost: 9,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ManDays: 200 |                     | Alt No:           |  |
| Referenced Authority:                                                       |                                     | Repair Pool: |               | MCC: 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                     |                   |  |
| NSTM CH-243, PARA. 243-1.1.4, PARA 243-1.1.7.1, & 1.1.7.2 GC:030000,MA:1302 |                                     |              |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |                     |                   |  |
| Reason:                                                                     | Problem Description:                |              |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                     |                   |  |
| BASELINE                                                                    | (I-24311-002) NSTM REQUIREMENT DUE. |              |               | IAW NSTM CH-243, PARAGRAPHS 1.1.4 &1.1.7, UNSHIP WATERBORNE SHAFTING AND REMOVE TO SHOP. REMOVE ALL RUBBER OR PLASTIC COVERING FROM SHAFTING. CHECK SHAFT RUNOUT. ACCOMPLISH A MAGNETIC PARTICLE TEST OR DYE PENETRANT CHECK OF ALL EXPOSED SHAFT AREAS AND KEYWAYS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR CRACKS AND PITS. SKIM-CUT AND DRESS LINERS, AND PROVIDE OVERSIZED BEARING STAVES. REPAIR SHAFT DETERIORATION IN WAY OF LINER. REMOVE AND REPLACE LINERS. REFACE COUPLING FLANGE FACES. MANUFACTURE AND FIT NEW COUPLING BOLTS. REPAIR TAPERS AND KEYWAYS. MANUFACTURE AND FIT NEW KEYS. CHASE AND DRESS PROPELLER NUT THREADS. ACCOMPLISH POST-REPAIR MAGNETIC PARTICLE OR DYE PENETRANT TESTS. UPON COMPLETION OF REPAIRS, REPLACE SHAFT COVERING WITH THE ENHANCED 12 YEAR COVERING SPECIFIED IN NAVSEA MEMORANDUM 03M/012 DTD 2 MAY 1997 "PROPOSED PROCESS FOR COATING CARRIER PROPULSION SHAFTING". ACCOMPLISH A POST REPAIR HIGH FREQUENCY SPARK TEST ON SHAFTING, SHAFT SLEEVES AND COVERED JOINT AREAS. REINSTALL SHAFTING AND REFIT FAIRWATERS AND ROPE GUARDS USING NEW GASKETS, SEALING COMPOUND, AND FASTENERS. |              |                     |                   |  |

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**Task/Abbreviation:** Q-24311-003- -STERN TB SEAL (DD) - INSP/RPR**MJC:** EXECQ081**Rev Date:** 6/26/2009**RCM Analysis:** **Scheduled:** Y **Sit Reqs:** D/D**Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 120 **Equip/Task:** 1 **Matl Cost:** 2,655 **ManDays:** 59 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(Q-24311-003)STERN TUBE SEAL REQUIRES REPAIR.

**Recommended Solution:**

DISASSEMBLE, INSPECT AND ACCOMPLISH REPAIRS TO THE STERN TUBE SEAL OF THE PROPULSION SHAFTING PER CONDITION ASSESSMENT RECOMMENDATIONS. UPON COMPLETION OF REPAIRS, REASSEMBLE UNIT USING NEW GASKETS, "O"-RINGS AND SEALING COMPOUNDS. ADJUST AND ALIGN SEALING DISK. LEAVE BOOT DEFLATED AND DELIVER INFLATION NEEDLE VALVES TO CHIEF ENGINEER. TEST INFLATABLE BOOT PRIOR TO UNDOCKING AND DOCK TRIALS. A).MACHINE FACES OF GLAND RING. B).CLEAN AND DRESS SHAFT IN WAY OF SEAL LAND. C).UNDERCUT SHAFT IN WAY OF SEAL LAND AND RESTORE SURFACE WITH APPROVED EPOXY FAIRING COMPOUND. D).REPLACE FACE INSERT. E).REPLACE SEAT. F).REPLACE FACE SEALING STRIP. G).REPLACE SEAL RINGS. H).REPLACE GARTER SPRINGS. I).REPLACE INFLATABLE BOOT/SEAL. J).REPLACE BELLOW ASSEMBLY. K).REPLACE FACE INSERT SHOULDER SCREWS. L).REPLACE DRIVE CLAMP RING BUTT BOLTS.

**\*\*NOTE 1:** SUPSHIP UTILIZE SWI/SWT 243-50, STERN TUBE SEAL REPAIR AND TEST, FOR GUIDANCE IN DEVELOPING THIS ITEM.

**\*\*NOTE 2:** OEM POC-JOEL PINGLE, SERVICE MANAGER (757)558-3625.

**\*\*NOTE 3:** MAJOR OVERHAUL KIT IS LONG LEAD TIME MATERIAL AND SHOULD BE ORDERED NO LATER THAN 10 MONTHS PRIOR TO REQUIRED INSTALLATION.

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**Task/Abbreviation:** Q-24311-004- -PRPLN SFT SHOP (DD) - RPR**MJC:** EXECQ082**Rev Date:** 7/6/2006**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 18,000 **ManDays:** 400 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(Q-24311-004) WATERBORNE SHAFTING REQUIRES REPAIR.

**Recommended Solution:**

REPAIR THE WATERBORNE SHAFTING AS FOLLOWS: REPAIR CRACKS AND PITS. SKIM-CUT AND DRESS LINERS, AND PROVIDE OVERSIZED BEARING STAVES. REPAIR SHAFT DETERIORATION IN WAY OF LINER. REMOVE AND REPLACE LINERS. REFACE COUPLING FLANGE FACES. MANUFACTURE AND FIT NEW COUPLING BOLTS. STRAIGHTEN SHAFT. REPAIR TAPERS AND KEYWAYS. MANUFACTURE AND FIT NEW KEYS. CHASE AND DRESS PROPELLER NUT THREADS. ACCOMPLISH POST-REPAIR MAGNETIC PARTICLE OR DYE PENETRANT TESTS. PROVIDE MANDAYS AND DOLLARS OF MATERIAL TO ACCOMPLISH REPAIRS NOT PREVIOUSLY IDENTIFIED. UPON COMPLETION OF REPAIRS, ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. \*\*NOTE 1: ACCOMPLISH CONCURRENT WITH INSPECTION OF SHAFTING. NOTE 2: FOR CERAMIC COATING OF PROPULSION SHAFTING INSTEAD OF FIBERGLASS WRAPPING OF PROULSION SHAFTING, USE ICMP TASK Q-24311-088.

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| Task/Abbreviation: Q-24311-006- -STERN TB (DD) - INSP/RPR |  |              |  | MJC: EXECQA92 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs: D/D |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,700    |  | ManDays: 60       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-24311-006)STERN TUBE REQUIRES REPAIR | INSPECT AND REPAIR THE STERN TUBE AND/OR STRUT. TO INCLUDE: A. REPAIR OF CRACKS AND EROSION EXCEEDING LISTED CRITERIA BY WELDING. B. ACCOMPLISHMENT OF POST-REPAIRS MAGNETIC PARTICLE OR DYE PENETRANT TESTS. C. REPLACEMENT OF INTERNAL ZINC ANODES. D. PRESERVE INTERIOR SURFACES OF THE STERN TUBE. E. PROVIDE MANDAYS AND DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: USE SI 009-32 FOR GUIDANCE IN DEVELOPING SPEC. |



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| <b>Task/Abbreviation:</b> Q-24311-011- -PRPLN SFT INPLACE (DD) - RPR |  |                     |  | <b>MJC:</b> EXECQAU4 |  | <b>Rev Date:</b> 1/13/2000 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 18,000   |  | <b>ManDays:</b> 400      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                      | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                       |
| BASELINE       | (Q-24311-011)PROPULSION SHAFTING REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE PROPULSION SHAFTING INPLACE (WATERBORNE): REPLACE LINEAR FEET OF FIBERGLASS WRAP. PROVIDE MANDAYS AND DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: 1. ACCOMPLISH CONCURRENT WITH BEARING REPAIRS. |

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| Task/Abbreviation: I-24311-028- -BHD STUFFING BOX - MRC G2B5 |  |              |  | MJC: EXECICC7 |  | Rev Date: 12/7/2006 |  |                   |  |         |  |
| RCM Analysis: 10/3/2005                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-24311-028)THE BULKHEAD STUFFING BOXES REQUIRES ASSESSMENT. | ACCOMPLISH THE BULKHEAD STUFFING BOXES ASSESSMENT IN ACCORDANCE WITH MRC G2B5 AS FOLLOWS: 1. INSPECT BULKHEAD STUFFING BOX AND MEASURE BULKHEAD STUFFING BOX CLEARANCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-24311-086- -STERN TUBE SEAL/BOOT-REPL |              | MJC: EXECQBS3 | Rev Date: 10/30/2006 |                   |         |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 1               | Removal Required: |         |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,111     | ManDays: 12       | Alt No: |
| Referenced Authority:                                      | Repair Pool: | MCC: 3        |                      |                   |         |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                     |
| BASELINE | (Q-24311-086)STBD STERN TUBE INFLATABLE SEAL/BOOT IS TORN/DAMAGED. | REPLACE INFLATABLE SEAL/BOOT IN ACCORDANCE WITH PROPER TECHNICAL MANUAL. ACCOMPLISH A SATISFACTORY LEAK TEST IN ACCORDANCE WITH APPROPRIATE MRC. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-24311-093- -PRPLN SHFT - RPR |  |              |  | MJC: EXECQE18 |  | Rev Date: 3/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                     |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                   |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                             |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-24311-093)PROPULSION SHAFT REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE PROPULSION SHAFT PER CONDITION ASSESSMENT RECOMMENDATIONS: A. COLLECT AND SUBMIT SHAFT DAMAGE ASSESSMENT DATA PER UWSH MANUAL CHAPTER 13. B. REPLACE COVER PLATES. C. REPLACE/TIGHTEN BOLTS. D. REPLACE COUPLING COVER. E. DOCUMENT AND REPORT TO NAVSEA. F. REPAIR. DIVERS INSPECTION REPORT AVAILABLE AT COGNIZANT DIVING CONTRACTOR WEBSITE(INCLUDE PERTINANT REFERENCE JOB NUMBER). |

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| <b>Task/Abbreviation:</b> Q-24311-A01- -PRPLN SFT(DD)-RPL (NONRPRABLE) |  |                     |  | <b>MJC:</b> EXECQHT6 |  | <b>Rev Date:</b> 8/5/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 120    |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 9,000   |  | <b>ManDays:</b> 200      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE       | (Q-24311-A01)PROPULSION SHAFTING REQUIRES REPLACEMENT. | SHAFT REQUIRES REPLACEMENT AND IS NON-REPAIRABLE DUE TO DEFECTIVE MANUFACTURING PROCESSES, EXTENSIVE DAMAGE FROM GROUNDING, SEVERE SHAFTING CASUALTY AND/OR COLLISION. REPLACE WITH RECONDITIONED/REFIRBISHED/RECLAIMED SHAFTING ACQUIRED FROM NAVICP SHAFT ROTATABLE POOL OR FROM RESERVE FLEET ASSETS. ACCOMPLISH A POST REPAIR HIGH FREQUENCY SPARK TEST ON SHAFTING, SHAFT SLEEVES AND COVERED JOINT AREAS. REINSTALL SHAFTING AND REFIT FAIRWATERS AND ROPE GUARDS USING NEW GASKETS, SEALING COMPOUND, AND FASTENERS. |

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| Task/Abbreviation: I-24312-001- -PRPLN SHFT CVRNG (DD)-INSP                |  |                                     |               | MJC: EXECM076    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rev Date: 1/28/2010 |                   |  |
| RCM Analysis:                                                              |  | Scheduled: N                        | Sit Reqs: D/D |                  | Qty: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     | Removal Required: |  |
| Lvl of Maint: 1                                                            |  | Freq: 0                             | Equip/Task: 1 | Matl Cost: 4,000 | ManDays: 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     | Alt No:           |  |
| Referenced Authority:                                                      |  |                                     | Repair Pool:  |                  | MCC: 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                   |  |
| NSTM CH-243, PARA 243-1.1.4, PARA 243-1.1.7.1, & 1.1.7.2 GC:030000,MA:0400 |  |                                     |               |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                   |  |
| Reason:                                                                    |  | Problem Description:                |               |                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                   |  |
| BASELINE                                                                   |  | (I-24312-001) NSTM REQUIREMENT DUE. |               |                  | IAW NSTM CH-243, PARA. 243-1.1.4 & PARA. 243-1.1.7.1 & PARA. 243-1.1.7.2, INSPECT INPLACE THE PROPULSION SHAFT COVERING PER NSTM CHAPTER 243 AND REPORT CONDITIONS FOUND TO THE NSA. A. ACCOMPLISH A HIGH FREQUENCY SPARK TEST ON SHAFTING, SHAFT SLEEVES AND COVERED JOINT AREAS. B. INSPECT FOR PHYSICAL DAMAGE, DETERIORATION, POOR ADHESION, POROSITY AND OTHER DEFECTS. C. ACCOMPLISH SHAFT RUNOUT. **NOTE 1: ACCOMPLISH CONCURRENT WITH BEARING INSPECTION TASK M-24412-1. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |                     |                   |  |

|                                                                            |  |                                   |               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                   |  |         |  |
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| Task/Abbreviation: I-24312-002- -(M) PRPLN SFT(DD)-RMV/IINSP/RPR           |  |                                   |               | MJC: EXECM077 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Rev Date: 7/14/2006 |                   |  |         |  |
| RCM Analysis:                                                              |  | Scheduled: Y                      | Sit Reqs: D/D |               | Qty: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                     | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                            |  | Freq: 120                         | Equip/Task: 1 |               | Matl Cost: 9,000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     | ManDays: 200      |  | Alt No: |  |
| Referenced Authority:                                                      |  |                                   | Repair Pool:  |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCC: 3              |                   |  |         |  |
| NSTM CH-243, PARA 243-1.1.4, PARA 243-1.1.7.1, & 1.1.7.2 GC:030000,MA:1302 |  |                                   |               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |                   |  |         |  |
| Reason:                                                                    |  | Problem Description:              |               |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |                   |  |         |  |
| BASELINE                                                                   |  | (I-24312-002)NSTM REQUIREMENT DUE |               |               | IAW NSTM CH-243, PARAGRAPHS 1.1.4 &1.1.7, UNSHIP WATERBORNE SHAFTING AND REMOVE TO SHOP. REMOVE ALL RUBBER OR PLASTIC COVERING FROM SHAFTING. CHECK SHAFT RUNOUT. ACCOMPLISH A MAGNETIC PARTICLE TEST OR DYE PENETRANT CHECK OF ALL EXPOSED SHAFT AREAS AND KEYWAYS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR CRACKS AND PITS. SKIM-CUT AND DRESS LINERS, AND PROVIDE OVERSIZED BEARING STAVES. REPAIR SHAFT DETERIORATION IN WAY OF LINER. REMOVE AND REPLACE LINERS. REFACE COUPLING FLANGE FACES. MANUFACTURE AND FIT NEW COUPLING BOLTS. REPAIR TAPERS AND KEYWAYS. MANUFACTURE AND FIT NEW KEYS. CHASE AND DRESS PROPELLER NUT THREADS. ACCOMPLISH POST-REPAIR MAGNETIC PARTICLE OR DYE PENETRANT TESTS. ON COMPLETION OF REPAIRS, REPLACE SHAFT COVERING WITH THE ENHANCED 12 YEAR COVERING SPECIFIED IN NAVSEA MEMORANDUM 03M/012 DTD 2 MAY 1997 "PROPOSED PROCESS FOR COATING CARRIER PROPULSION SHAFTING". ACCOMPLISH A POST REPAIR HIGH FREQUENCY SPARK TEST ON SHAFTING, SHAFT SLEEVES AND COVERED JOINT AREAS. REINSTALL SHAFTING AND REFIT FAIRWATERS AND ROPE GUARDS USING NEW GASKETS, SEALING COMPOUND AND FASTENERS. |                     |                   |  |         |  |

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**Task/Abbreviation:** Q-24312-003- -STERN TB SEAL (D/D) - INSP/RPR**MJC:** EXECQ083**Rev Date:** 7/15/2009**RCM Analysis:** **Scheduled:** Y **Sit Reqs:** D/D**Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 120 **Equip/Task:** 1 **Matl Cost:** 2,655 **ManDays:** 59 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:** BASELINE  
**Problem Description:** (Q-24312-003)STERN TUBE SEAL REQUIRES REPAIR**Recommended Solution:**  
DISASSEMBLE, INSPECT AND ACCOMPLISH REPAIRS TO THE STERN TUBE SEAL OF THE PROPULSION SHAFTING PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, REASSEMBLE UNIT USING NEW GASKETS, "O"-RINGS AND SEALING COMPOUNDS. ADJUST AND ALIGN SEALING DISK. LEAVE BOOT DEFLATED AND DELIVER INFLATION NEEDLE VALVES TO CHIEF ENGINEER. TEST INFLATABLE BOOT PRIOR TO UNDOCKING AND DOCK TRIALS. A. MACHINE FACES OF GLAND RING. B. CLEAN AND DRESS SHAFT IN WAY OF SEAL LAND. C. UNDERCUT SHAFT IN WAY OF SEAL LAND AND RESTORE SURFACE WITH APPROVED EPOXY FAIRING COMPOUND. D. REPLACE FACE INSERT. E. REPLACE SEAT. F. REPLACE FACE SEALING STRIP. G. REPLACE SEAL RINGS. H. REPLACE GARTER SPRINGS. I. REPLACE INFLATABLE BOOT/SEAL. J. REPLACE BELLOWS ASSEMBLY. K. REPLACE FACE INSERT SHOULDER SCREWS. L. REPLACE DRIVE CLAMP RING BUTT BOLTS. NOTE 1: SUPSHIP UTILIZE SWI/SWT 243-50, STERN TUBE SEAL REPAIR AND TEST, FOR GUIDANCE IN DEVELOPING THIS ITEM. NOTE 2: OEM POC - JOEL PINGLE, SERVICE MANAGER, (757)558-3625. NOTE 3: MAJOR OVERHAUL KIT IS LONG LEAD TIME MATERIAL AND SHOULD BE ORDERED NO LATER THAN 10 MONTHS PRIOR TO REQUIRED INSTALLATION.



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| Task/Abbreviation: Q-24312-004- -PRPLN SFT SHOP (DD) - RPR |  |              |               | MJC: EXECQ084     |              | Rev Date: 7/6/2006 |                   |  |
| RCM Analysis:                                              |  | Scheduled: N | Sit Reqs: D/D |                   | Qty: 2       |                    | Removal Required: |  |
| Lvl of Maint: 1                                            |  | Freq: 0      | Equip/Task: 1 | Matl Cost: 18,000 | ManDays: 400 | Alt No:            |                   |  |
| Referenced Authority:                                      |  |              | Repair Pool:  |                   | MCC: 3       |                    |                   |  |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-24312-004)WATERBORNE SHAFTING REQUIRES REPAIR | REPAIR THE WATERBORNE SHAFTING AS FOLLOWS: REPAIR CRACKS AND PITS. SKIM-CUT AND DRESS LINERS, AND PROVIDE OVERSIZED BEARING STAVES. REPAIR SHAFT DETERIORATION IN WAY OF LINER. REMOVE AND REPLACE LINERS. REFACE COUPLING FLANGE FACES. MANUFACTURE AND FIT NEW COUPLING BOLTS. STRAIGHTEN SHAFT. REPAIR TAPERS AND KEYWAYS. MANUFACTURE AND FIT NEW KEYS. CHASE AND DRESS PROPELLER NUT THREADS. ACCOMPLISH POST-REPAIR MAGNETIC PARTICLE OR DYE PENETRANT TESTS. PROVIDE MANDAYS AND DOLLARS OF MATERIAL TO ACCOMPLISH REPAIRS NOT PREVIOUSLY IDENTIFIED. ON COMPLETION OF REPAIRS, ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: 1. ACCOMPLISH CONCURRENT WITH INSPECTION OF SHAFTING. 2. FOR CERAMIC COATING OF PROULSION SHAFTING INSTEAD OF FIBERGLASS WRAPPING OF PROULSION SHAFTING USE ICMP TASK Q-24312-084. |

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**Task/Abbreviation:** Q-24312-006- -STERN TB (DD) - INSP/RPR**MJC:** EXECQA93**Rev Date:** 7/13/2004**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 2,700 **ManDays:** 60 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(Q-24312-006)STERN TUBE REQUIRES REPAIR

**Recommended Solution:**

INSPECT AND REPAIR THE STERN TUBE AND/OR STRUT. TO INCLUDE: A. REPAIR OF CRACKS AND EROSION EXCEEDING LISTED CRITERIA BY WELDING. B. ACCOMPLISHMENT OF POST-REPAIRS MAGNETIC PARTICLE OR DYE PENETRANT TESTS. C. REPLACEMENT OF INTERNAL ZINC ANODES. D. PRESERVE INTERIOR SURFACES OF THE STERN TUBE. E. PROVIDE MANDAYS AND DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: USE SI 009-32 FOR GUIDANCE IN DEVELOPING SPEC.

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| <b>Task/Abbreviation:</b> Q-24312-011- -PRPLN SFT INPLACE (DD) - RPR |  |                     |  | <b>MJC:</b> EXECQAU5 |  | <b>Rev Date:</b> 1/13/2000 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 18,000   |  | <b>ManDays:</b> 400      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                      | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                       |
| BASELINE       | (Q-24312-011)PROPULSION SHAFTING REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE PROPULSION SHAFTING INPLACE (WATERBORNE): REPLACE LINEAR FEET OF FIBERGLASS WRAP. PROVIDE MANDAYS AND DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: 1. ACCOMPLISH CONCURRENT WITH BEARING REPAIRS. |

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| Task/Abbreviation: I-24312-026- -BHD STUFFING BOX - MRC G2B5 |  |              | MJC: EXECICC6 |               | Rev Date: 12/7/2006 |            |                   |            |         |  |
| RCM Analysis: 10/3/2005                                      |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                        |  |              |               | Repair Pool:  |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-24312-026)THE BULKHEAD STUFFING BOXES REQUIRES ASSESSMENT. | ACCOMPLISH THE BULKHEAD STUFFING BOXES ASSESSMENT IN ACCORDANCE WITH MRC G2B5 AS FOLLOWS: 1. INSPECT BULKHEAD STUFFING BOX AND MEASURE BULKHEAD STUFFING BOX CLEARANCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> Q-24312-083- -STERN TUBE SEAL/BOOT-REPL |  |                     |  | <b>MJC:</b> EXECQCB9 |  | <b>Rev Date:</b> 10/30/2006 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 2,111     |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                             |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                        | <b>Recommended Solution:</b>                                                                                                                                                         |
| BASELINE       | (Q-24312-083)PORT STERN TUBE INFLATABLE SEAL/BOOT IS TORN/DAMAGED. | REPLACE INFLATABLE SEAL/BOOT IN ACCORDANCE WITH PROPER TECHNICAL MANUAL. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH APPROPRIATE MRC. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-24312-088- -PRPLN SHFT - RPR |  |              |  | MJC: EXECQE20 |  | Rev Date: 3/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                     |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                   |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                             |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-24312-088)PROPULSION SHAFT REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE PROPULSION SHAFT PER CONDITION ASSESSMENT RECOMMENDATIONS: A. COLLECT AND SUBMIT SHAFT DAMAGE ASSESSMENT DATA PER UWSH MANUAL CHAPTER 13. B. REPLACE COVER PLATES. C. REPLACE/TIGHTEN BOLTS. D. REPLACE COUPLING COVER. E. DOCUMENT AND REPORT TO NAVSEA. F. REPAIR. DIVERS INSPECTION REPORT AVAILABLE AT COGNIZANT DIVING CONTRACTOR WEBSITE (REFERENCE PERTINENT JOB NUMBER). |

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| <b>Task/Abbreviation:</b> I-24411-001- -(M)STERN/STRUT BRG (DD) - MEAS      |  |                                   |  | <b>MJC:</b> EXECM078 |  | <b>Rev Date:</b> 5/17/2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                        |  | <b>Scheduled:</b> Y               |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                      |  | <b>Freq:</b> 129                  |  | <b>Equip/Task:</b> 3 |  | <b>Matl Cost:</b> 360                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | <b>ManDays:</b> 8        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                                |  |                                   |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | <b>MCC:</b> 3            |  |                |  |
| NSTM CH-244, PARA. 244-4.6.1 NSTM CH-244, PARA. 244-4.7.1 GC:040000,MA:2900 |  |                                   |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                          |  |                |  |
| <b>Reason:</b>                                                              |  | <b>Problem Description:</b>       |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                          |  |                |  |
| BASELINE                                                                    |  | (I-24411-001)NSTM REQUIREMENT DUE |  |                      |  | IAW NSTM CH-244, PARA. 244-4.6.1, REMOVE FAIRWATERS AND ROPE GUARDS ON STERN TUBE AND STRUT BEARINGS. MEASURE WEARDOWNS ON STERN TUBE AND STRUT BEARINGS AND REPORT CONDITIONS FOUND TO THE NSA WITHIN 48 HOURS OF DRYDOCKING. UPON COMPLETION OF INSPECTION OR REPAIRS, REINSTALL FAIRWATERS AND ROPE GUARDS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. **NOTE: USE SWT 243-02 AND 244-03 FOR GUIDANCE IN DEVELOPING SPEC. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                          |  |                |  |

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| Task/Abbreviation: Q-24411-002- -STERN/STRUT BRG (DD) - RPR |         |               |                  | MJC: EXECQ085 |         | Rev Date: 12/18/2002 |  |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs: D/D    |               | Qty: 6  | Removal Required:    |  |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 3 | Matl Cost: 3,600 | ManDays: 80   | Alt No: |                      |  |
| Referenced Authority:                                       |         | Repair Pool:  |                  | MCC: 3        |         |                      |  |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-24411-002)BEARINGS REQUIRE REPAIR | REMOVE THE STERN TUBE AND/OR STRUT BEARINGS. ACCOMPLISH AN INTERNAL BEARING HOUSING INSPECTION. ACCOMPLISH THE FOLLOWING REPAIRS: COATING OR WELDING REPAIRS IN WAY OF LAND. MACHINE AND FIT LINERS ON BEARING LANDS. REPLACE BEARING STAVES. MEASURE FIT BETWEEN BEARING BARRELS AND HOUSING. CLAD-WELD BEARING HOUSING AND REBORE. REASSEMBLE BEARING HALVES. ALIGN USING LASER OR TIGHTWIRE TECHNIQUE. MEASURE AND RECORD POST-REPAIRS CLEARANCES. |



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| Task/Abbreviation: C-24411-006- -PRPLN SFT BRG - TECH (SPAM) |                      |                                                                                                                                                                                                                                                           | MJC: EXECC003 |            | Rev Date: 7/20/2011 |
| RCM Analysis:                                                |                      | Scheduled: N                                                                                                                                                                                                                                              | Sit Reqs:     | Qty: 2     | Removal Required:   |
| Lvl of Maint: 1                                              | Freq: 0              | Equip/Task: 1                                                                                                                                                                                                                                             | Matl Cost:    | ManDays: 1 | Alt No:             |
| Referenced Authority:                                        |                      | Repair Pool:                                                                                                                                                                                                                                              | MCC: 3        |            |                     |
| Reason:                                                      | Problem Description: | Recommended Solution:                                                                                                                                                                                                                                     |               |            |                     |
| BASELINE                                                     | TBD                  | PROVIDE ON-SITE TECHNICAL REPRESENTATIVE TO ASSIST DIVERS WHILE CONDUCTING LEVEL 2 WATERBORNE INSPECTION OF STERN TUBE AND STRUT BEARING CLEARANCES (I-24411-05). NOTE: 1. TASK IS SCREENED TO FTSC. 2. TASK IS CONCURRENT WITH I-24411-05 AS APPLICABLE. |               |            |                     |

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| <b>Task/Abbreviation:</b> C-24411-007- -PRPLN SFT BRG - EVAL (SPAM) |  |                             |  | <b>MJC:</b> EXECC005 |  | <b>Rev Date:</b> 7/20/2011                                                                                                                                                                                                                                    |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                 |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                             |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                               |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b> |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                  |  |                          |  |                |  |
| BASELINE                                                            |  | TBD                         |  |                      |  | EVALUATE PROPULSION SHAFT BEARING CLEARANCE READINGS (MAIN, INTERMEDIATE AND STERN TUBE) FOR MAINTENANCE RECOMMENDATIONS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. TASK IS SCREENED TO FTSC. 2. TASK IS CONCURRENT WITH I-24411-05 AS APPLICABLE. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-24411-018- -PRLN SFT SYS ALIGN CHK-ACCOMP |  |                     |  | <b>MJC:</b> EXECQBO8 |  | <b>Rev Date:</b> 12/10/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> X               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> X |  | <b>Matl Cost:</b>           |  | <b>ManDays:</b> 6        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                             |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                         | <b>Recommended Solution:</b>                                                                                                                                                           |
| BASELINE       | (Q-24411-018)PROPULSION SHAFTING SYSTEM<br>REQUIRES ALIGNMENT CHECK | VERIFY ALIGNMENT OF PROPULSION SHAFT BEARINGS (MAIN<br>REDUCTION GEAR BULL GEAR, LINE SHAFT(S), STERN TUBE AND<br>PROPELLER/STRUT) IN ACCORDANCE WITH APPLICABLE TECHNICAL<br>MANUALS. |

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| Task/Abbreviation: I-24411-021- -LINE SHAFT BRG - MRC B9EP |              |               | MJC: EXECIF66 |                   | Rev Date: 12/18/2007 |
| RCM Analysis: 3/7/2005                                     | Scheduled: N | Sit Reqs:     | Qty: 5        | Removal Required: |                      |
| Lvl of Maint: 3                                            | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:              |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-24411-021)THE LINE SHAFT BEARINGS REQUIRES ASSESSMENT. | ACCOMPLISH THE LINE SHAFT BEARINGS ASSESSMENT IN ACCORDANCE WITH MRC B9EP AS FOLLOWS: 1. MEASURE LINE SHAFT SPRING BEARING CLEARANCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-24411-026- -LINE SHAFT BEARINGS BRG-REPL |                                              |                                                                                                                                                                                 | MJC: EXECQBS5     |            | Rev Date: 9/5/2006 |
| RCM Analysis:                                                 |                                              | Scheduled: N                                                                                                                                                                    | Sit Reqs:         | Qty: 5     | Removal Required:  |
| Lvl of Maint: 4                                               | Freq: 0                                      | Equip/Task: 1                                                                                                                                                                   | Matl Cost: 18,119 | ManDays: 3 | Alt No:            |
| Referenced Authority:                                         |                                              | Repair Pool:                                                                                                                                                                    | MCC: 3            |            |                    |
| Reason:                                                       | Problem Description:                         | Recommended Solution:                                                                                                                                                           |                   |            |                    |
| BASELINE                                                      | (Q-24411-026)STBD LINE SHAFT BEARING FAILED. | REPLACE LINE SHAFT BEARING IN ACCORDANCE WITH THE TECHNICAL MANUAL. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH APPROPRIATE MRC. RETURN EQUIPMENT TO READINESS CONDITION. |                   |            |                    |

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| <b>Task/Abbreviation:</b> I-24412-001- -(M)STERN/STRUT BRG (DD) - MEAS      |  |                                     |  | <b>MJC:</b> EXECM079 |  | <b>Rev Date:</b> 5/17/2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                        |  | <b>Scheduled:</b> Y                 |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                      |  | <b>Freq:</b> 129                    |  | <b>Equip/Task:</b> 3 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | <b>ManDays:</b> 8        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                                |  |                                     |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | <b>MCC:</b> 3            |  |                |  |
| NSTM CH-244, PARA. 244-4.6.1 NSTM CH-244, PARA. 244-4.7.1 GC:040000,MA:2900 |  |                                     |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                          |  |                |  |
| <b>Reason:</b>                                                              |  | <b>Problem Description:</b>         |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                          |  |                |  |
| BASELINE                                                                    |  | (I-24412-001) NSTM REQUIREMENT DUE. |  |                      |  | IAW NSTM CH-244, PARA. 244-4.6.1, REMOVE FAIRWATERS AND ROPE GUARDS ON STERN TUBE AND STRUT BEARINGS. MEASURE WEARDOWNS ON STERN TUBE AND STRUT BEARINGS AND REPORT CONDITIONS FOUND TO THE NSA WITHIN 48 HOURS OF DRYDOCKING. UPON COMPLETION OF INSPECTION OR REPAIRS, REINSTALL FAIRWATERS AND ROPE GUARDS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. **NOTE: USE SWT 243-02 AND 244-03 FOR GUIDANCE IN DEVELOPING SPEC. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-24412-002- -STERN/STRUT BRG (DD) - RPR |  |                     |  | <b>MJC:</b> EXECQ087 |  | <b>Rev Date:</b> 12/18/2002 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 6               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 3 |  | <b>Matl Cost:</b> 3,600     |  | <b>ManDays:</b> 80       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                     |  | <b>Repair Pool:</b>  |  |                             |  | <b>MCC:</b> 3            |  |                |  |

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|----------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>          | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE       | (Q-24412-002)BEARINGS REQUIRE REPAIR | REMOVE THE STERN TUBE AND/OR STRUT BEARINGS. ACCOMPLISH AN INTERNAL BEARING HOUSING INSPECTION. ACCOMPLISH THE FOLLOWING REPAIRS: COATING OR WELDING REPAIRS IN WAY OF LAND. MACHINE AND FIT LINERS ON BEARING LANDS. REPLACE BEARING STAVES. MEASURE FIT BETWEEN BEARING BARRELS AND HOUSING. CLAD-WELD BEARING HOUSING AND REBORE. REASSEMBLE BEARING HALVES. ALIGN USING LASER OR TIGHTWIRE TECHNIQUE. MEASURE AND RECORD POST-REPAIRS CLEARANCES. |

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| Task/Abbreviation: C-24412-006- -PRPLN SFT BRG - TECH (SPAM) |  |                      |  | MJC: EXECC004 |  | Rev Date: 7/20/2011                                                                                                                                                                                                                                       |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N         |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                    |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0              |  | Equip/Task: 1 |  | Matl Cost:                                                                                                                                                                                                                                                |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                        |  |                      |  | Repair Pool:  |  |                                                                                                                                                                                                                                                           |  | MCC: 3            |  |         |  |
| Reason:                                                      |  | Problem Description: |  |               |  | Recommended Solution:                                                                                                                                                                                                                                     |  |                   |  |         |  |
| BASELINE                                                     |  | TBD                  |  |               |  | PROVIDE ON-SITE TECHNICAL REPRESENTATIVE TO ASSIST DIVERS WHILE CONDUCTING LEVEL 2 WATERBORNE INSPECTION OF STERN TUBE AND STRUT BEARING CLEARANCES (I-24412-05). NOTE: 1. TASK IS SCREENED TO FTSC. 2. TASK IS CONCURRENT WITH I-24412-05 AS APPLICABLE. |  |                   |  |         |  |



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| <b>Task/Abbreviation:</b> C-24412-007- -PRPLN SFT BRG - EVAL (SPAM) |  |                             |  | <b>MJC:</b> EXECC001 |  | <b>Rev Date:</b> 7/20/2011                                                                                                                                                                                                                                    |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                 |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                             |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                               |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b> |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                  |  |                          |  |                |  |
| BASELINE                                                            |  | TBD                         |  |                      |  | EVALUATE PROPULSION SHAFT BEARING CLEARANCE READINGS (MAIN, INTERMEDIATE AND STERN TUBE) FOR MAINTENANCE RECOMMENDATIONS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. TASK IS SCREENED TO FTSC. 2. TASK IS CONCURRENT WITH I-24412-05 AS APPLICABLE. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-24412-017- -PRLN SFT SYS ALIGN CHK-ACCOMP |  |                     |  | <b>MJC:</b> EXECQBP0 |  | <b>Rev Date:</b> 12/10/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> X               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> X |  | <b>Matl Cost:</b>           |  | <b>ManDays:</b> 6        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                             |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                         | <b>Recommended Solution:</b>                                                                                                                                                           |
| BASELINE       | (Q-24412-017)PROPULSION SHAFTING SYSTEM<br>REQUIRES ALIGNMENT CHECK | VERIFY ALIGNMENT OF PROPULSION SHAFT BEARINGS (MAIN<br>REDUCTION GEAR BULL GEAR, LINE SHAFT(S), STERN TUBE AND<br>PROPELLER/STRUT) IN ACCORDANCE WITH APPLICABLE TECHNICAL<br>MANUALS. |

|                                                            |  |              |               |               |                      |            |                   |            |         |  |
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| Task/Abbreviation: I-24412-020- -LINE SHAFT BRG - MRC B9EP |  |              | MJC: EXECIF67 |               | Rev Date: 12/18/2007 |            |                   |            |         |  |
| RCM Analysis: 3/7/2005                                     |  | Scheduled: N |               | Sit Reqs:     |                      | Qty: 8     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                            |  | Freq: 0      |               | Equip/Task: 1 |                      | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                      |  |              | Repair Pool:  |               |                      | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-24412-020)THE LINE SHAFT BEARINGS REQUIRES ASSESSMENT. | ACCOMPLISH THE LINE SHAFT BEARINGS ASSESSMENT IN ACCORDANCE WITH MRC B9EP AS FOLLOWS: 1. MEASURE LINE SHAFT SPRING BEARING CLEARANCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> Q-24412-024- -LINE SHAFT BEARINGS BRG-REPL |                                              |                      | <b>MJC:</b> EXECQBS5                                                                                                                                                            |                   | <b>Rev Date:</b> 9/5/2006 |
| <b>RCM Analysis:</b>                                                 |                                              | <b>Scheduled:</b> N  | <b>Sit Reqs:</b>                                                                                                                                                                | <b>Qty:</b> 7     | <b>Removal Required:</b>  |
| <b>Lvl of Maint:</b> 4                                               | <b>Freq:</b> 0                               | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 18,119                                                                                                                                                        | <b>ManDays:</b> 3 | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                         |                                              | <b>Repair Pool:</b>  | <b>MCC:</b> 3                                                                                                                                                                   |                   |                           |
| <b>Reason:</b>                                                       | <b>Problem Description:</b>                  |                      | <b>Recommended Solution:</b>                                                                                                                                                    |                   |                           |
| BASELINE                                                             | (Q-24412-024)PORT LINE SHAFT BEARING FAILED. |                      | REPLACE LINE SHAFT BEARING IN ACCORDANCE WITH THE TECHNICAL MANUAL. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH APPROPRIATE MRC. RETURN EQUIPMENT TO READINESS CONDITION. |                   |                           |

|                                                                 |  |                                     |               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                   |  |         |  |
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| Task/Abbreviation: I-24511-014- -(M)PROP (FIXED) (DD)- INSP/RPR |  |                                     |               | MJC: EXECM083 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Rev Date: 3/12/2010 |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: Y                        | Sit Reqs: D/D |               | Qty: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                 |  | Freq: 129                           | Equip/Task: 1 |               | Matl Cost: 4,635                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     | ManDays: 103      |  | Alt No: |  |
| Referenced Authority:                                           |  |                                     |               | Repair Pool:  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MCC: 3              |                   |  |         |  |
| NSTM CH-245, PARA 245-3.2, 3.3, & 3.4 GC:9A0000,MA:1302         |  |                                     |               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                   |  |         |  |
| Reason:                                                         |  | Problem Description:                |               |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                   |  |         |  |
| BASELINE                                                        |  | (I-24511-014) NSTM REQUIREMENT DUE. |               |               | IAW NSTM CH-245, PARA. 245-3.2 & PARA. 245-3.3, & PARA. 245-3.4, CLEAN AND INSPECT THE FIXED-BLADE-TYPE PROPELLER AND VERIFY PROPELLER DATA (GAUGE BLADES). CLEAN AND INSPECT DUNCE CAP. ACCOMPLISH NON-DESTRUCTIVE TESTING. REPORT CONDITIONS FOUND TO THE NSA. DRESS BLADE EDGES. RIG AND UNSHIP PROPELLER AND LAND ON DOCK FLOOR. VERIFY AND DRESS TAPER FIT AND INSTALL PROPELLER. TORQUE PROPELLER NUT. ACCOMPLISH THE FOLLOWING REPAIRS AS AUTHORIZED: A). GRIND OUT FRACTURES. B). TRANSPORT PROPELLER TO AN APPROVED REPAIR FACILITY TO ACCOMPLISH REPAIRS. C). DYNAMIC BALANCE PROPELLER. D). STATIC BALANCE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |                     |                   |  |         |  |

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**Task/Abbreviation:** Q-24511-097- -MONOBLOCK PROP - RPR**MJC:** EXECIJJ8**Rev Date:** 4/21/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 0**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-24511-097)THE MONOBLOCK PROPELLER  
REQUIRES REPAIR.ACCOMPLISH THE FOLLOWING REPAIRS TO THE MONOBLOCK  
PROPELLER PER CONDITION ASSESSMENT RECOMMENDATIONS: A.  
PERFORM VTI IAW S9245-AR-TSM-010/PROP. B. REPLACE PLUG AND  
STAKE IN PLACE. C. REPLACE COVER PLATE WHEN MISSING OR  
DAMAGED, OTHERWISE INSTALL REPLACEMENT FASTENERS AND  
STAKE IN PLACE. D. REMOVE PROPELLER AND REPLACE GLAND  
SEAL RING. E. REPLACE ALL FASTENERS. F. REPLACE LOCKWIRE.  
DIVERS INSPECTION REPORT AVAILABLE AT WWW.\_\_\_\_\_.COM  
(REFERENCE JOB NUMBER\_\_\_\_\_).

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**Task/Abbreviation:** I-24512-014- -(M)PROP (FIXED) (DD)- INSP/RPR**MJC:** EXECM086**Rev Date:** 3/12/2010**RCM Analysis:** **Scheduled:** Y **Sit Reqs:** D/D**Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 129 **Equip/Task:** 1 **Matl Cost:** 4,635 **ManDays:** 103 **Alt No:****Referenced Authority:** **Repair Pool:****MCC:** 3

NSTM CH-245, PARA 245-3.2, 3.3, &amp; 3.4 GC:9A0000,MA:1302

**Reason:** **Problem Description:**

BASELINE (I-24512-014) NSTM REQUIREMENT DUE.

**Recommended Solution:**

IAW NSTM CH-245, PARA. 245-3.2, 3.3, &3.4. CLEAN AND INSPECT THE FIXED-BLADE-TYPE PROPELLER AND VERIFY PROPELLER DATA (GAUGE BLADES). CLEAN AND INSPECT DUNCE CAP. ACCOMPLISH NON-DESTRUCTIVE TESTING. REPORT CONDITIONS FOUND TO THE NSA. DRESS BLADE EDGES. RIG AND UNSHIP PROPELLER AND LAND ON DOCK FLOOR. VERIFY AND DRESS TAPER FIT AND INSTALL PROPELLER. TORQUE PROPELLER NUT. ACCOMPLISH THE FOLLOWING REPAIRS AS AUTHORIZED: A). GRIND OUT FRACTURES. B). TRANSPORT PROPELLER TO AN APPROVED REPAIR FACILITY TO ACCOMPLISH REPAIRS. C). DYNAMIC BALANCE PROPELLER. D). STATIC BALANCE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-24512-097- -MONOBLOCK PROP - RPR**MJC:** EXECQE55**Rev Date:** 4/21/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 0**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-24512-097)THE MONOBLOCK PROPELLER  
REQUIRES REPAIR.ACCOMPLISH THE FOLLOWING REPAIRS TO THE MONOBLOCK  
PROPELLER PER CONDITION ASSESSMENT RECOMMENDATIONS: A.  
PERFORM VTI IAW S9245-AR-TSM-010/PROP. B. REPLACE PLUG AND  
STAKE IN PLACE. C. REPLACE COVER PLATE WHEN MISSING OR  
DAMAGED, OTHERWISE INSTALL REPLACEMENT FASTENERS AND  
STAKE IN PLACE. D. REMOVE PROPELLER AND REPLACE GLAND  
SEAL RING. E. REPLACE ALL FASTENERS. F. REPLACE LOCKWIRE.  
DIVERS INSPECTION REPORT AVAILABLE AT WWW.\_\_\_\_\_.COM  
(REFERENCE JOB NUMBER\_\_\_\_\_).



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**Task/Abbreviation:** Q-25111-002- -STM TURB FDB - RPR**MJC:** EXECQ104**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 4,860**ManDays:** 108**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25111-002)FORCED DRAFT BLOWER REQUIRES REPAIR

REPAIR FORCED DRAFT BLOWER UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. OPEN TURBINE AND BLOWER CASINGS. RECORD AS-FOUND CONDITIONS. REMOVE TURBINE/BLOWER ROTOR, NOZZLE AND NOZZLE PLATE TO SHOP AND BLAST CLEAN. CLEAN/INSPECT COMPONENTS. ACCOMPLISH NDT. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, SEALS AND PACKING. REPLACE MISSING AND UNSERVICEABLE FASTENERS. DYNAMICALLY BALANCE ROTOR ASSEMBLY. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND MACHINE DESIGNATED SHAFT JOURNALS. B. DRESS/REPAIR OR REPLACE DESIGNATED TURBINE ROTOR BLADING AND SHROUDING. C. DRESS/REPAIR OR REPLACE DESIGNATED TURBINE NOZZLE DIAPHRAGMS AND NOZZLE PLATES/SEGMENTS. D. REPLACE NOZZLE DIAPHRAGM LUGS AND FASTENERS. E. REPL DESIGNATED LABYRINTH-TYPE PACKING RING ASSEMBLIES. F. REPLACE OIL DEFLECTORS. G. REBABBITT OR REPLACE DESIGNATED JOURNAL BEARINGS. H. REPLACE THRUST BEARING SHOES. I. GRIND OR REPLACE THRUST COLLAR. J. DRESS/REPAIR OR REPLACE DESIGNATED BLOWER BLADING AND SHROUDING.

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**Task/Abbreviation:** Q-25111-003- -STM TURB FDB SPD GOV - RPR**MJC:** EXECQA96**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25111-003)GOVERNOR REQUIRES REPAIR

ACCOMPLISH AUTHORIZED REPAIRS TO THE MECHANICAL-HYDRAULIC SPEED GOVERNOR OF THE FORCED DRAFT BLOWER UNIT (STEAM TURBINE DRIVEN) PER CONDITION ASSESSMENT AND/OR FTSC/OEM RECOMMENDATIONS. DISCONNECT GOVERNOR LINKAGE, TUBE FITTINGS, ELECTRICAL WIRING AND MOUNTING FLANGE. SHIP TO QUALIFIED MAINTENANCE FACILITY FOR TEST STAND EVALUATION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, ASSEMBLE COMPONENTS USING NEW GASKETS, O -RINGS, RETAINING RINGS AND SEALS AND ENSURE OIL PASSAGES ARE FREE FROM FOREIGN MATTER. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY POST REPAIRS TEST STAND TEST. REINSTALL GOVERNOR AND CONNECT MOUNTING FLANGE, TUBE FITTINGS, ELECTRICAL WIRING AND LINKAGE. PROVIDE TECHNICAL REPRESENTATIVE FOR INPLACE ACCOMPLISHMENT OF SPEED REGULATION ADJUSTMENT AND A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-25111-004- -STM FDB THROTTLE VLV - RPR**MJC:** EXECQA98**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25111-004)TRIP/THROTTLE VALVE REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE TRIP AND THROTTLE VALVE ASSEMBLY OF THE FORCED DRAFT BLOWER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING HYDRAULIC OPERATING MECHANISM. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW GASKETS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. ENSURE SATISFACTORY SEAT AND VALVE DISC SURFACE CONTACT. A. REPAIR VALVES. B. REPAIR VALVE STEMS. C. REPLACE VALVE STEMS. D. REPLACE PILOT VALVES AND BUSHINGS. E. REPAIR STEAM STRAINER. F. REPLACE STEAM STRAINER. TEST HYDRAULIC OPERATING MECHANISM AND ADJUST TRIP DEVICE LINKAGE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

|                                                             |              |               |                |                   |                    |
|-------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-25111-005- -STM FDB INL CONT VLV - RPR |              |               | MJC: EXECQB01  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-25111-005)CONTROL VALVE ASSEMBLY<br>REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE INLET STEAM CONTROL VALVE<br>ASSEMBLY OF THE FORCED DRAFT BLOWER UNIT PER CONDITION<br>ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED.<br>DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING<br>ACTUATOR ASSEMBLY. REPORT CONDITIONS FOUND TO THE NSA.<br>ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE<br>FOLLOWING LIST, REINSTALL COMPONENTS AND REPLACE MISSING<br>OR UNSERVICEABLE FASTENERS. A. REPAIR ACTUATOR ASSEMBLY.<br>B. REPLACE ACTUATOR ASSEMBLY. C. REPAIR VALVES. D. REPLACE<br>VALVES. E. REPAIR VALVE SEATS. F. REPLACE VALVE SEATS. G.<br>REPLACE VALVE STEMS. H. REPLACE NITRATED VALVE STEM<br>BUSHINGS. I. REPLACE LINKAGE PINS. J. REPLACE LINKAGE<br>BUSHINGS. K. REPLACE SPRINGS. SET CRACKING POINT ON VALVE.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-25111-006- -STM FDB LO CLR - RPR**MJC:** EXECQB03**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25111-006)COOLER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE.

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| Task/Abbreviation: Q-25111-007- -STM FDB UNIT - OIL FLUSH |              |               | MJC: EXECQB05  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 360 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-25111-007)FORCED DRAFT BLOWER UNIT<br>REQUIRES OIL FLUSH | ACCOMPLISH AN OIL FLUSH OF THE FORCED DRAFT BLOWER<br>(STEAM TURBINE-DRIVEN) AFTER DISCONNECTING, CLEANING AND<br>PICKLING THE EXTERNAL LUBE OIL PIPING. ENSURE THAT OIL SUMP<br>IS CLEAN AND FREE FROM FOREIGN MATTER. REASSEMBLE ALL<br>BEARINGS, BEARING HOUSINGS & UPPER-HALF COVERS. USE A<br>FULL CAPACITY OIL PUMP AND BY-PASS BEARINGS. FLUSH<br>THROUGH ONE BEARING OUTLET AT A TIME ENSURING MAXIMUM<br>FLOW AND PRESSURE DROP AND UNTIL OIL CONDITION PROVE TO<br>BE FREE FROM FOREIGN MATTER. CLEAN LUBE OIL SUMP<br>(POST-FLUSHING). FLUSH THROUGH INSTALLED FILTER SYSTEM<br>UNTIL VISUAL AND DELTA PRESSURE READINGS ARE ACCEPTABLE.<br>ENSURE THAT NO FOREIGN MATTER IS PRESENT WITHIN SYSTEM<br>BEFORE LOADING UNIT. |

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**Task/Abbreviation:** Q-25111-008- -STM FDB ATCHD LO PMP - RPR**MJC:** EXECQB07**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25111-008)PUMP REQUIRES REPAIR

OPEN, CLEAN, AND INSPECT THE LUBE OIL PUMP (ROTARY GEAR) .  
MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND  
HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS.  
ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT  
CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION  
ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS  
REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND  
WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A  
SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-25111-009- -STM FDB ELEC LO PMP - RPR |              |               | MJC: EXECQB09  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-25111-009)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE NON-ATTACHED LUBE OIL PUMP (ELOP; ROTARY/ GEAR) OF THE FORCED DRAFT BLOWER UNIT (STEAM TURBINE- DRIVEN). MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: A-25111-012- -AER LHA1-00999 - ACCOMP |              |               | MJC: EXTYA221     |                   | Rev Date: 3/7/2004  |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1            | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 50,000 | ManDays: 1        | Alt No: TYLHA 00999 |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3            |                   |                     |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                                                                                                                                                                      |
| BASELINE | (A-25111-12) TYCOM AUTHORIZED ALTERATION | ACCOMPLISH AER LHA1-00999E "REPLACE FORCED DRAFT BLOWER LUBE OIL COOLER AND LUBE OIL COOLER OUTLET TEMPERATURE REGULATING SYSTEM" WHICH REPLACES THE EXISTING FORCED DRAFT BLOWER (FDB) LUBE OIL COOLER AND ASSOCIATED PIPING AND CONTROLS WITH A LARGER COOLER AND AN AUTOMATIC SALT WATER CONTROL VALUE. |

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| Task/Abbreviation: Q-25111-015- -STM FDB LO CLR - PLUG TB |              |               | MJC: EXECJ908  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 11       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-25111-015)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25111-016- -STM FDB LO CLR - REPL BUNDLE |  |                                                      |  | <b>MJC:</b> EXECJ910 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                                                                              |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N                                  |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0                                       |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675                                                                                                                                                                                                                                  |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                                                      |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                        |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                       |  | <b>Problem Description:</b>                          |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                           |  |                          |  |                |  |
| BASELINE                                                             |  | (Q-25111-016)COOLER TUBE BUNDLE REQUIRES REPLACEMENT |  |                      |  | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-25111-017- -STM FDB LO CLR - REPL TB |              |               | MJC: EXECJ912  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 12       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-25111-017)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25111-018- -STM FDB LO CLR - REPL ZINCS |  |                                        |  | <b>MJC:</b> EXECJ914 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                                                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675                                                                                                                                                                                                                                           |  | <b>ManDays:</b> 9        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                 |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                    |  |                          |  |                |  |
| BASELINE                                                            |  | (Q-25111-018)ZINCS REQUIRE REPLACEMENT |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-25111-019- -STM FDB LO CLR - REROLL TB |              |               | MJC: EXECJ916  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 12       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-25111-019)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25111-020- -STM FDB LO CLR - RPR TB SH |  |              |  | MJC: EXECJ918 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 675     |  | ManDays: 14       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-25111-020)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25111-021- -STM FDB LO CLR-RPR TB SPRTS |  |                     |  | <b>MJC:</b> EXECJ920 |  | <b>Rev Date:</b> 9/1/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675     |  | <b>ManDays:</b> 14       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                |
| BASELINE       | (Q-25111-021)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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**Task/Abbreviation:** Q-25111-022- -STM TURB FDB OIL DEFLEC - REPL**MJC:** EXECJ929**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 4,860**ManDays:** 16**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25111-022)OIL DEFLECTOR REQUIRES  
REPLACEMENTREPAIR FORCED DRAFT BLOWER UNIT PER CONDITION  
ASSESSMENT RECOMMENDATIONS. DISASSEMBLE TO THE EXTENT  
NECESSARY TO REMOVE AND REPLACE DESIGNATED  
LABYRINTH-TYPE PACKING RING ASSEMBLIES AND OIL  
DEFLECTORS. OPEN TURBINE AND BLOWER CASINGS. RECORD  
AS-FOUND CONDITIONS. REPORT CONDITIONS FOUND TO THE NSA.  
ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING  
LIST, REASSEMBLE USING NEW GASKETS, SEALS AND PACKING.  
REPLACE MISSING AND UNSERVICEABLE FASTENERS. A. REPLACE  
DESIGNATED LABYRINTH-TYPE PACKING RING ASSEMBLIES. B.  
REPLACE OIL DEFLECTORS. DYNAMICALLY BALANCE ROTOR  
ASSEMBLY AND ACCOMPLISH A SATISFACTORY OPERATIONAL  
TEST.

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**Task/Abbreviation:** Q-25111-023- -STM TURB FDB (BEARING) - RPR**MJC:** EXECJ930**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 4,860**ManDays:** 22**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25111-023)JOURNAL BEARINGS REQUIRE  
REBABBITTINGREPAIR FORCED DRAFT BLOWER UNIT PER CONDITION  
ASSESSMENT RECOMMENDATIONS. DISASSEMBLE TO THE EXTENT  
NECESSARY TO REMOVE AND REBABBIT OR REPLACE DESIGNATED  
JOURNAL BEARINGS AND THRUST BEARING SHOES. OPEN TURBINE  
AND BLOWER CASINGS. RECORD AS-FOUND CONDITIONS. REPORT  
CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS  
AUTHORIZED FROM FOLLOWING LIST, REASSEMBLE USING NEW  
GASKETS, SEALS AND PACKING. REPLACE MISSING AND  
UNSERVICEABLE FASTENERS. A. REBABBIT DESIGNATED JOURNAL  
BEARINGS. DYNAMICALLY BALANCE ROTOR ASSEMBLY AND  
ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-25111-024- -STM TURB FDB (BEARING) - REPL**MJC:** EXECJ931**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 4,860**ManDays:** 11**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25111-024)BEARINGS REQUIRE REPLACEMENT

REPAIR FORCED DRAFT BLOWER UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE TO THE EXTENT NECESSARY TO REMOVE AND REPLACE DESIGNATED JOURNAL BEARINGS. OPEN TURBINE AND BLOWER CASINGS. RECORD AS-FOUND CONDITIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, SEALS AND PACKING. REPLACE MISSING AND UNSERVICEABLE FASTENERS. A. REPLACE DESIGNATED JOURNAL BEARINGS. DYNAMICALLY BALANCE ROTOR ASSEMBLY AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-25111-025- -STM TURB FDB (THRST SHOE)-REPL |              |               | MJC: EXECJ932    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,860 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-25111-025)FORCED DRAFT BLOWER THRUST BEARING SHOES REQUIRE REPLACEMENT | REPAIR FORCED DRAFT BLOWER UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE TO THE EXTENT NECESSARY TO REMOVE AND REPLACE DESIGNATED THRUST BEARING SHOES. OPEN TURBINE AND BLOWER CASINGS. RECORD AS-FOUND CONDITIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, SEALS AND PACKING. REPLACE MISSING AND UNSERVICEABLE FASTENERS. A. REPLACE THRUST BEARING SHOES. DYNAMICALLY BALANCE ROTOR ASSEMBLY AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-25111-036- -FDB CENTRIFUGAL SYS - MRC A9VH**MJC:** EXECIDB0**Rev Date:** 9/1/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25111-036)THE FORCED DRAFT BLOWER  
CENTRIFUGAL SYSTEM REQUIRES ASSESSMENT.ACCOMPLISH THE FORCED DRAFT BLOWER CENTRIFUGAL SYSTEM  
ASSESSMENT IN ACCORDANCE WITH MRC A9VH AS FOLLOWS: 1.  
CENTRIFUGAL FILTER SYSTEM OPERATIONAL TEST. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-25111-048- -FDB AUX LO PMP - MRC S69E**MJC:** EXECQBP5**Rev Date:** 9/1/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**(I-25111-048)THE FORCED DRAFT BLOWER  
AUXILIARY LUBE OIL PUMP REQUIRES  
ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE FORCED DRAFT BLOWER AUXILIARY LUBE OIL  
PUMP ASSESSMENT IN ACCORDANCE WITH MRC S69E AS FOLLOWS:  
1. INSPECT LOW OIL PRESSURE AND CUTOFF SWITCHES FOR  
PROPER OPERATION. REPORT CONDITIONS FOUND TO SHIP'S  
CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-25111-049- -FDB - MRC X38J**MJC:** EXECIFU7**Rev Date:** 9/1/2011**RCM Analysis:** 8/2/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25111-049)THE FORCED DRAFT BLOWERS  
REQUIRES ASSESSMENT.ACCOMPLISH THE FORCED DRAFT BLOWERS ASSESSMENT IN  
ACCORDANCE WITH MRC X38J AS FOLLOWS: 1. TEST PARALLEL  
OPERATION OF FORCED DRAFT BLOWERS. REPORT CONDITIONS  
FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|-------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-25111-050- -FDB - MRC X43G |              |               | MJC: EXECIFV4 |                   | Rev Date: 9/1/2011 |
| RCM Analysis: 7/12/2004                         | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 3                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                           |              | Repair Pool:  | MCC: 2        |                   |                    |

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|----------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-25111-050)THE FORCED DRAFT BLOWERS REQUIRES ASSESSMENT. | ACCOMPLISH THE FORCED DRAFT BLOWERS ASSESSMENT IN ACCORDANCE WITH MRC X43G AS FOLLOWS: 1. MEASURE TURBINE THRUST CLEARANCE. 2. MEASURE JOURNAL BEARING CLEARANCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-25111-054- -FDB VNXL FAN VIB TST- MRC G1P1 |              |               | MJC: EXECIG81 |                   | Rev Date: 9/1/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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|----------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25111-054)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-25112-002- -STM TURB FDB - RPR**MJC:** EXECQ105**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 4,860**ManDays:** 108**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25112-002)FORCED DRAFT BLOWER REQUIRES REPAIR

REPAIR FORCED DRAFT BLOWER UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. OPEN TURBINE AND BLOWER CASINGS. RECORD AS-FOUND CONDITIONS. REMOVE TURBINE/BLOWER ROTOR, NOZZLE AND NOZZLE PLATE TO SHOP AND BLAST CLEAN. CLEAN/INSPECT COMPONENTS. ACCOMPLISH NDT. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, SEALS AND PACKING. REPLACE MISSING AND UNSERVICEABLE FASTENERS. DYNAMICALLY BALANCE ROTOR ASSEMBLY. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND MACHINE DESIGNATED SHAFT JOURNALS. B. DRESS/REPAIR OR REPLACE DESIGNATED TURBINE ROTOR BLADING AND SHROUDING. C. DRESS/REPAIR OR REPLACE DESIGNATED TURBINE NOZZLE DIAPHRAGMS AND NOZZLE PLATES/SEGMENTS. D. REPLACE NOZZLE DIAPHRAGM LUGS AND FASTENERS. E. REPL DESIGNATED LABYRINTH-TYPE PACKING RING ASSEMBLIES. F. REPLACE OIL DEFLECTORS. G. REBABBITT OR REPLACE DESIGNATED JOURNAL BEARINGS. H. REPLACE THRUST BEARING SHOES. I. GRIND OR REPLACE THRUST COLLAR. J. DRESS/REPAIR OR REPLACE DESIGNATED BLOWER BLADING AND SHROUDING.

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**Task/Abbreviation:** Q-25112-003- -STM TURB FDB SPD GOV - RPR**MJC:** EXECQA97**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25112-003)GOVERNOR REQUIRES REPAIR

ACCOMPLISH AUTHORIZED REPAIRS TO THE MECHANICAL-HYDRAULIC SPEED GOVERNOR OF THE FORCED DRAFT BLOWER UNIT (STEAM TURBINE DRIVEN) PER CONDITION ASSESSMENT AND/OR FTSC/OEM RECOMMENDATIONS. DISCONNECT GOVERNOR LINKAGE, TUBE FITTINGS, ELECTRICAL WIRING AND MOUNTING FLANGE. SHIP TO QUALIFIED MAINTENANCE FACILITY FOR TEST STAND EVALUATION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, ASSEMBLE COMPONENTS USING NEW GASKETS, O -RINGS, RETAINING RINGS AND SEALS AND ENSURE OIL PASSAGES ARE FREE FROM FOREIGN MATTER. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY POST REPAIRS TEST STAND TEST. REINSTALL GOVERNOR AND CONNECT MOUNTING FLANGE, TUBE FITTINGS, ELECTRICAL WIRING AND LINKAGE. PROVIDE TECHNICAL REPRESENTATIVE FOR INPLACE ACCOMPLISHMENT OF SPEED REGULATION ADJUSTMENT AND A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-25112-004- -STM FDB THROTTLE VLV - RPR**MJC:** EXECQA99**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25112-004)TRIP/THROTTLE VALVE REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE TRIP AND THROTTLE VALVE ASSEMBLY OF THE FORCED DRAFT BLOWER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING HYDRAULIC OPERATING MECHANISM. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW GASKETS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. ENSURE SATISFACTORY SEAT AND VALVE DISC SURFACE CONTACT. A. REPAIR VALVES. B. REPAIR VALVE STEMS. C. REPLACE VALVE STEMS. D. REPLACE PILOT VALVES AND BUSHINGS. E. REPAIR STEAM STRAINER. F. REPLACE STEAM STRAINER. TEST HYDRAULIC OPERATING MECHANISM AND ADJUST TRIP DEVICE LINKAGE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-25112-005- -STM FDB INL CONT VLV - RPR**MJC:** EXECQB02**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25112-005)CONTROL VALVE ASSEMBLY  
REQUIRES REPAIRACCOMPLISH REPAIRS TO THE INLET STEAM CONTROL VALVE  
ASSEMBLY OF THE FORCED DRAFT BLOWER UNIT PER CONDITION  
ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED.  
DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING  
ACTUATOR ASSEMBLY. REPORT CONDITIONS FOUND TO THE NSA.  
ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE  
FOLLOWING LIST, REINSTALL COMPONENTS AND REPLACE MISSING  
OR UNSERVICEABLE FASTENERS. A. REPAIR ACTUATOR ASSEMBLY.  
B. REPLACE ACTUATOR ASSEMBLY. C. REPAIR VALVES. D. REPLACE  
VALVES. E. REPAIR VALVE SEATS. F. REPLACE VALVE SEATS. G.  
REPLACE VALVE STEMS. H. REPLACE NITRATED VALVE STEM  
BUSHINGS. I. REPLACE LINKAGE PINS. J. REPLACE LINKAGE  
BUSHINGS. K. REPLACE SPRINGS. SET CRACKING POINT ON VALVE.  
ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-25112-006- -STM FDB LO CLR - RPR**MJC:** EXECQB04**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25112-006)COOLER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE.

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| Task/Abbreviation: Q-25112-007- -STM FDB UNIT - OIL FLUSH |              |               | MJC: EXECQB06  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 360 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25112-007)FORCED DRAFT BLOWER UNIT REQUIRES OIL FLUSH | ACCOMPLISH AN OIL FLUSH OF THE FORCED DRAFT BLOWER (STEAM TURBINE-DRIVEN) AFTER DISCONNECTING, CLEANING AND PICKLING THE EXTERNAL LUBE OIL PIPING. ENSURE THAT OIL SUMP IS CLEAN AND FREE FROM FOREIGN MATTER. REASSEMBLE ALL BEARINGS, BEARING HOUSINGS & UPPER-HALF COVERS. USE A FULL CAPACITY OIL PUMP AND BY-PASS BEARINGS. FLUSH THROUGH ONE BEARING OUTLET AT A TIME ENSURING MAXIMUM FLOW AND PRESSURE DROP AND UNTIL OIL CONDITION PROVE TO BE FREE FROM FOREIGN MATTER. CLEAN LUBE OIL SUMP (POST-FLUSHING). FLUSH THROUGH INSTALLED FILTER SYSTEM UNTIL VISUAL AND DELTA PRESSURE READINGS ARE ACCEPTABLE. ENSURE THAT NO FOREIGN MATTER IS PRESENT WITHIN SYSTEM BEFORE LOADING UNIT. |

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**Task/Abbreviation:** Q-25112-008- -STM FDB ATCHD LO PMP - RPR**MJC:** EXECQB08**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25112-008)PUMP REQUIRES REPAIR

OPEN, CLEAN, AND INSPECT THE LUBE OIL PUMP (ROTARY GEAR) .  
MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND  
HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS.  
ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT  
CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION  
ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS  
REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND  
WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A  
SATISFACTORY OPERATIONAL TEST.



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| Task/Abbreviation: Q-25112-009- -STM FDB ELEC LO PMP - RPR |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MJC: EXECQB10  |             | Rev Date: 9/1/2011 |
| RCM Analysis:                                              |                                   | Scheduled: N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sit Reqs:      | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                            | Freq: 0                           | Equip/Task: 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Matl Cost: 450 | ManDays: 10 | Alt No:            |
| Referenced Authority:                                      |                                   | Repair Pool:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MCC: 2         |             |                    |
| Reason:                                                    | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |             |                    |
| BASELINE                                                   | (Q-25112-009)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE NON-ATTACHED LUBE OIL PUMP (ELOP; ROTARY/ GEAR) OF THE FORCED DRAFT BLOWER UNIT (STEAM TURBINE- DRIVEN) . MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                |             |                    |

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|-----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-25112-010- -STM FDB LO CLR - PLUG TB |              |               | MJC: EXECJ909  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 11       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-25112-010)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|----------------------------------------------------------------------|--|------------------------------------------------------|--|----------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-25112-011- -STM FDB LO CLR - REPL BUNDLE |  |                                                      |  | <b>MJC:</b> EXECJ911 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                                                                              |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N                                  |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0                                       |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675                                                                                                                                                                                                                                  |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                                                      |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                        |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                       |  | <b>Problem Description:</b>                          |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                           |  |                          |  |                |  |
| BASELINE                                                             |  | (Q-25112-011)COOLER TUBE BUNDLE REQUIRES REPLACEMENT |  |                      |  | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-25112-012- -STM FDB LO CLR - REPL TB |  |              |  | MJC: EXECJ913 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 675     |  | ManDays: 12       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-25112-012)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25112-013- -STM FDB LO CLR - REPL ZINCS |  |                                        |  | MJC: EXECJ915 |  | Rev Date: 9/1/2011                                                                                                                                                                                                                                              |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 675                                                                                                                                                                                                                                                  |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                        |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 2            |  |         |  |
| Reason:                                                      |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                     |  | (Q-25112-013)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-25112-014- -STM FDB LO CLR - REROLL TB |              |               | MJC: EXECJ917  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 12       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-25112-014)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25112-015- -STM FDB LO CLR - RPR TB SH |              |               | MJC: EXECJ919  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 14       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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|----------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-25112-015)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25112-016- -STM FDB LO CLR-RPR TB SPRTS |              |               | MJC: EXECJ921  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 14       | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 2         |                   |                    |

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|----------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-25112-016)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-25112-017- -STM TURB FDB OIL DEFLEC - REPL |              |               | MJC: EXECJ935    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,860 | ManDays: 16       | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2           |                   |                    |

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|----------|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25112-017)OIL DEFLECTOR REQUIRES REPLACEMENT | REPAIR FORCED DRAFT BLOWER UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE TO THE EXTENT NECESSARY TO REMOVE AND REPLACE DESIGNATED LABYRINTH-TYPE PACKING RING ASSEMBLIES AND OIL DEFLECTORS. OPEN TURBINE AND BLOWER CASINGS. RECORD AS-FOUND CONDITIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, SEALS AND PACKING. REPLACE MISSING AND UNSERVICEABLE FASTENERS. A. REPLACE DESIGNATED LABYRINTH-TYPE PACKING RING ASSEMBLIES. B. REPLACE OIL DEFLECTORS. DYNAMICALLY BALANCE ROTOR ASSEMBLY AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-25112-018- -STM TURB FDB (BEARING) - RPR**MJC:** EXECJ936**Rev Date:** 9/1/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 4,860**ManDays:** 22**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25112-018)JOURNAL BEARINGS REQUIRE  
REBABBITTINGREPAIR FORCED DRAFT BLOWER UNIT PER CONDITION  
ASSESSMENT RECOMMENDATIONS. DISASSEMBLE TO THE EXTENT  
NECESSARY TO REMOVE AND REBABBIT OR REPLACE DESIGNATED  
JOURNAL BEARINGS AND THRUST BEARING SHOES. OPEN TURBINE  
AND BLOWER CASINGS. RECORD AS-FOUND CONDITIONS. REPORT  
CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS  
AUTHORIZED FROM FOLLOWING LIST, REASSEMBLE USING NEW  
GASKETS, SEALS AND PACKING. REPLACE MISSING AND  
UNSERVICEABLE FASTENERS. A. REBABBIT DESIGNATED JOURNAL  
BEARINGS. DYNAMICALLY BALANCE ROTOR ASSEMBLY AND  
ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-25112-019- -STM TURB FDB (BEARING) - REPL**MJC:** EXECJ937**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 4,860**ManDays:** 11**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25112-019)BEARINGS REQUIRE REPLACEMENT

REPAIR FORCED DRAFT BLOWER UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE TO THE EXTENT NECESSARY TO REMOVE AND REPLACE DESIGNATED JOURNAL BEARINGS. OPEN TURBINE AND BLOWER CASINGS. RECORD AS-FOUND CONDITIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, SEALS AND PACKING. REPLACE MISSING AND UNSERVICEABLE FASTENERS. A. REPLACE DESIGNATED JOURNAL BEARINGS. DYNAMICALLY BALANCE ROTOR ASSEMBLY AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-25112-020- -STM TURB FDB (THRST SHOE)-REPL |              |               | MJC: EXECJ938    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,860 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2           |                   |                    |

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|----------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-25112-020)FORCED DRAFT BLOWER THRUST BEARING SHOES REQUIRE REPLACEMENT | REPAIR FORCED DRAFT BLOWER UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE TO THE EXTENT NECESSARY TO REMOVE AND REPLACE DESIGNATED THRUST BEARING SHOES. OPEN TURBINE AND BLOWER CASINGS. RECORD AS-FOUND CONDITIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, SEALS AND PACKING. REPLACE MISSING AND UNSERVICEABLE FASTENERS. A. REPLACE THRUST BEARING SHOES. DYNAMICALLY BALANCE ROTOR ASSEMBLY AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-25112-026- -FDB CENTRIFUGAL SYS - MRC A9VH**MJC:** EXECIDB1**Rev Date:** 9/1/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25112-026)THE FORCED DRAFT BLOWER  
CENTRIFUGAL SYSTEM REQUIRES ASSESSMENT.ACCOMPLISH THE FORCED DRAFT BLOWER CENTRIFUGAL SYSTEM  
ASSESSMENT IN ACCORDANCE WITH MRC A9VH AS FOLLOWS: 1.  
CENTRIFUGAL FILTER SYSTEM OPERATIONAL TEST. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-25112-038- -FDB AUX LO PMP - MRC S69E**MJC:** EXECIFU6**Rev Date:** 9/1/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25112-038)THE FORCED DRAFT BLOWER  
AUXILIARY LUBE OIL PUMP REQUIRES  
ASSESSMENT.

ACCOMPLISH THE FORCED DRAFT BLOWER AUXILIARY LUBE OIL  
PUMP ASSESSMENT IN ACCORDANCE WITH MRC S69E AS FOLLOWS:  
1. INSPECT LOW OIL PRESSURE AND CUTOFF SWITCHES FOR  
PROPER OPERATION. REPORT CONDITIONS FOUND TO SHIP'S  
CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-25112-039- -FDB - MRC X38J |  |              | MJC: EXECIFU9 |               | Rev Date: 9/1/2011 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                          |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 4     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                 |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                           |  |              | Repair Pool:  |               |                    | MCC: 2     |                   |            |         |  |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-25112-039)THE FORCED DRAFT BLOWERS REQUIRES ASSESSMENT. | ACCOMPLISH THE FORCED DRAFT BLOWERS ASSESSMENT IN ACCORDANCE WITH MRC X38J AS FOLLOWS: 1. TEST PARALLEL OPERATION OF FORCED DRAFT BLOWERS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-25112-040- -FDB - MRC X43G |              |               | MJC: EXECIFV5 |                   | Rev Date: 9/1/2011 |
| RCM Analysis: 7/12/2004                         | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 3                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                           |              | Repair Pool:  | MCC: 2        |                   |                    |

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|----------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-25112-040)THE FORCED DRAFT BLOWERS REQUIRES ASSESSMENT. | ACCOMPLISH THE FORCED DRAFT BLOWERS ASSESSMENT IN ACCORDANCE WITH MRC X43G AS FOLLOWS: 1. MEASURE TURBINE THRUST CLEARANCE. 2. MEASURE JOURNAL BEARING CLEARANCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-25112-043- -FDB VNXL FAN VIB TST- MRC G1P1 |              |               | MJC: EXECIG82 |                   | Rev Date: 9/1/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25112-043)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-25121-005- -MN PROP EQPT VIB TST- MRC G1P1 |              |               | MJC: EXECIG83 |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25121-005)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-25311-001-A-MN STM PP - UT |         |               | MJC: EXECI272  |            | Rev Date: |                   |
| RCM Analysis:                                   |         | Scheduled: N  | Sit Reqs:      |            | Qty: X    | Removal Required: |
| Lvl of Maint: 2                                 | Freq: 0 | Equip/Task: X | Matl Cost: 405 | ManDays: 9 | Alt No:   |                   |
| Referenced Authority:                           |         | Repair Pool:  |                | MCC: 3     |           |                   |

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|----------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-25311-001)THE MAIN STEAM PIPING REQUIRES ULTRASONIC TESTING | ULTRASONICALLY-TEST THE MAIN STEAM SYSTEM PIPING, PRIOR TO AN INDUSTRIAL AVAILABILITY, FROM BOILER DRUM MAIN STEAM OUTLET JOINT TO SUPERHEATER INLET; FROM SUPERHEATER OUTLET JOINT TO DESUPERHEATER INLET JOINT; FROM SUPERHEATER OUTLET JOINT TO PROPULSION HP AND LP (ASTERN) TURBINES, SSTG'S, MAIN FEED PUMPS AND SOOT BLOWERS AND AS FOLLOWS: A. REMOVE LAGGING AND INSULATION AND CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES ( 90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. C. PRESERVE AND RELAG DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-25311-004- -MN STM GATE VLVS - RPR |              |               | MJC: EXECQ119    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 18          | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 9 | Matl Cost: 1,035 | ManDays: 23       | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-25311-004)MAIN STEAM VALVE REQUIRES REPAIR | REPAIR THE DESIGNATED MAIN STEAM GATE VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD 009-47. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, REASSEMBLE VALVES USING NEW GASKETS, PACKING AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. HYDROSTATICALLY TEST VALVES AND PROVE SEAT TIGHTNESS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-25311-005- -MN STM GLOBE VLVS - RPR**MJC:** EXECQ120**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 18**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 9**Matl Cost:** 1,035**ManDays:** 23**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25311-005)MAIN STEAM VALVE REQUIRES REPAIR

REPAIR THE DESIGNATED MAIN STEAM GLOBE VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD 009-51. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, REASSEMBLE VALVES USING NEW GASKETS, PACKING AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. HYDROSTATICALLY TEST VALVES AND PROVE SEAT TIGHTNESS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: 1. REPLACE VALVES 2-1/2 INCHES OR SMALLER.

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**Task/Abbreviation:** Q-25311-006- -MN STM VLV ACTR IN SHOP - RPR**MJC:** EXECQ121**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25311-006)VALVE ACTUATOR REQUIRES REPAIR

OPERATIONALLY TEST THE VALVE ACTUATOR INPLACE PRIOR TO REMOVAL FOR (IN SHOP) REPAIRS. DISASSEMBLE OPERATOR ASSEMBLY FOR INSPECTION OF COMPONENTS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR AS AUTHORIZED. REASSEMBLE OPERATOR ASSEMBLY USING NEW GASKETS, SEALS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS, LUBRICATE AND ADJUST. CONNECT VALVE ACTUATOR TO CORRESPONDING VALVE AND SET VALVE TRAVEL LIMITS AND INDICATORS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| <b>Task/Abbreviation:</b> Q-25311-008- -MN STM GATE VLVS - REPL |  |                                         |  | <b>MJC:</b> EXECJ141 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                          |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                     |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 18                                                                                                                                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0                          |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,000                                                                                                                                                                            |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                         |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                    |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>             |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                       |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-25311-008)VALVE REQUIRES REPLACEMENT |  |                      |  | REPLACE THE DESIGNATED MAIN STEAM GATE VALVES PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. HYDROSTATICALLY<br>TEST VALVES AND PROVE SEAT TIGHTNESS. ACCOMPLISH A<br>SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-25311-009- -MN STM GLOBE VLVS - REPL |  |                                         |  | <b>MJC:</b> EXECJ142 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                           |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N                     |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 18                                                                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0                          |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,000                                                                                                                                                                             |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                                         |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                     |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                   |  | <b>Problem Description:</b>             |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                        |  |                          |  |                |  |
| BASELINE                                                         |  | (Q-25311-009)VALVE REQUIRES REPLACEMENT |  |                      |  | REPLACE THE DESIGNATED MAIN STEAM GLOBE VALVES PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. HYDROSTATICALLY<br>TEST VALVES AND PROVE SEAT TIGHTNESS. ACCOMPLISH A<br>SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |



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|----------------------------------------------------------------|--|---------------------|--|----------------------|--|---------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-25311-014- -MN STM VLV ACTR - REPL |  |                     |  | <b>MJC:</b> EXECJ147 |  | <b>Rev Date:</b> 9/1/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> X             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                         |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> X |  | <b>Matl Cost:</b> 750     |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                   |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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|----------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                      | <b>Recommended Solution:</b>                                                                                                                                                                           |
| BASELINE       | (Q-25311-014)VALVE ACTUATOR REQUIRES REPLACEMENT | REPLACE VALVE ACTUATOR PER CONDITION ASSESSMENT RECOMMENDATIONS. CONNECT VALVE ACTUATOR TO CORRESPONDING VALVE AND SET VALVE TRAVEL LIMITS AND INDICATORS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-25311-018- -MN STM PIPING - CAR INSP**MJC:** EXECIJ65**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 5,000**ManDays:** 150**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25311-018) NSTM REQUIREMENT DUE

IAW NSTM CH-505, PARA. 505-1.4, ENGAGE CONTRACTOR TO ACCOMPLISH COMPUTER AIDED RADIOGRAPHIC TESTING OF THE MAIN STEAM SYSTEM PIPING, PRIOR TO AN INDUSTRIAL AVAILABILITY, FROM BOILER MAIN STEAM STOPS TO ALL SSTG STEAM SUPPLY VALVES, TO ALL PROPULSION TURBINE GUARDING VALVES, AND INCLUDING MAIN STEAM CROSS CONNECT PIPING, AS FOLLOWS: A. ESTABLISH SAFETY BOUNDARIES AROUND INSPECTED SYSTEM. B. OBTAIN ONE IMAGE AT EACH SELECTED AREA IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO WELDS, HANGERS, AND EXTERNAL CORROSION. 3. LOW POINTS. 4. EVERY 3 FEET ON STRAIGHT RUNS OF PIPE. 5. LOCATIONS WHERE THINNING IS SUSPECTED. C. CONTRACTOR TO PROVIDE INITIAL REPORT TO SHIP. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-25312-001-A-MN STM PP - UT**MJC:** EXECI277**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** X**Matl Cost:** 405**ManDays:** 9**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25312-001)THE MAIN STEAM PIPING REQUIRES  
ULTRASONIC TESTING

ULTRASONICALLY-TEST THE MAIN STEAM SYSTEM PIPING, PRIOR TO AN INDUSTRIAL AVAILABILITY, FROM BOILER DRUM MAIN STEAM OUTLET JOINT TO SUPERHEATER INLET; FROM SUPERHEATER OUTLET JOINT TO DESUPERHEATER INLET JOINT; FROM SUPERHEATER OUTLET JOINT TO PROPULSION HP AND LP (ASTERN) TURBINES, SSTG'S, MAIN FEED PUMPS AND SOOT BLOWERS AND AS FOLLOWS: A. REMOVE LAGGING AND INSULATION AND CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES ( 90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. C. PRESERVE AND RELAG DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-25312-004- -MN STM GATE VLVS - RPR |  |              |  | MJC: EXECQ123 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 18            |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 9 |  | Matl Cost: 1,035   |  | ManDays: 23       |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-25312-004)MAIN STEAM VALVE REQUIRES REPAIR | REPAIR THE DESIGNATED MAIN STEAM GATE VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD 009-47. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, REASSEMBLE VALVES USING NEW GASKETS, PACKING AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. HYDROSTATICALLY TEST VALVES AND PROVE SEAT TIGHTNESS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-25312-005- -MN STM GLOBE VLVS - RPR**MJC:** EXECQ124**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 18**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 9**Matl Cost:** 1,035**ManDays:** 23**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25312-005)MAIN STEAM VALVE REQUIRES  
REPAIRREPAIR THE DESIGNATED MAIN STEAM GLOBE VALVES IN  
ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD  
009-51. REPORT CONDITIONS FOUND TO THE NSA. ON  
COMPLETION OF REPAIRS, REASSEMBLE VALVES USING NEW  
GASKETS, PACKING AND REPLACE MISSING OR UNSERVICEABLE  
FASTENERS. HYDROSTATICALLY TEST VALVES AND PROVE SEAT  
TIGHTNESS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.  
NOTE: 1. REPLACE VALVES 2-1/2 INCHES OR SMALLER.

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**Task/Abbreviation:** Q-25312-006- -MN STM VLV ACTR IN SHOP - RPR**MJC:** EXECQ125**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25312-006)VALVE ACTUATOR REQUIRES REPAIR

OPERATIONALLY TEST THE VALVE ACTUATOR INPLACE PRIOR TO REMOVAL FOR (IN SHOP) REPAIRS. DISASSEMBLE OPERATOR ASSEMBLY FOR INSPECTION OF COMPONENTS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR AS AUTHORIZED. REASSEMBLE OPERATOR ASSEMBLY USING NEW GASKETS, SEALS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS, LUBRICATE AND ADJUST. CONNECT VALVE ACTUATOR TO CORRESPONDING VALVE AND SET VALVE TRAVEL LIMITS AND INDICATORS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| <b>Task/Abbreviation:</b> Q-25312-007- -MN STM GLOBE VLVS - REPL |  |                                         |  | <b>MJC:</b> EXECJ117 |  | <b>Rev Date:</b> 9/1/2011                                                                                                                                                                           |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N                     |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 18                                                                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0                          |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,000                                                                                                                                                                             |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                                         |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                     |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                   |  | <b>Problem Description:</b>             |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                        |  |                          |  |                |  |
| BASELINE                                                         |  | (Q-25312-007)VALVE REQUIRES REPLACEMENT |  |                      |  | REPLACE THE DESIGNATED MAIN STEAM GLOBE VALVES PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. HYDROSTATICALLY<br>TEST VALVES AND PROVE SEAT TIGHTNESS. ACCOMPLISH A<br>SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-25312-012- -MN STM VLV ACTR - REPL |  |              |  | MJC: EXECJ128 |  | Rev Date: 9/1/2011 |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: X             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 750     |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                  |
| BASELINE | (Q-25312-012)VALVE ACTUATOR REQUIRES REPLACEMENT | REPLACE VALVE ACTUATOR PER CONDITION ASSESSMENT RECOMMENDATIONS. CONNECT VALVE ACTUATOR TO CORRESPONDING VALVE AND SET VALVE TRAVEL LIMITS AND INDICATORS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-25312-016- -MN STM GATE VLVS - REPL |                                         |                                                                                                                                                                                                    | MJC: EXECJ140    |            | Rev Date: 9/1/2011 |
| RCM Analysis:                                            |                                         | Scheduled: N                                                                                                                                                                                       | Sit Reqs:        | Qty: 18    | Removal Required:  |
| Lvl of Maint: 1                                          | Freq: 0                                 | Equip/Task: 1                                                                                                                                                                                      | Matl Cost: 1,000 | ManDays: 5 | Alt No:            |
| Referenced Authority:                                    |                                         | Repair Pool:                                                                                                                                                                                       | MCC: 3           |            |                    |
| Reason:                                                  | Problem Description:                    | Recommended Solution:                                                                                                                                                                              |                  |            |                    |
| BASELINE                                                 | (Q-25312-016)VALVE REQUIRES REPLACEMENT | REPLACE THE DESIGNATED MAIN STEAM GATE VALVES PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. HYDROSTATICALLY<br>TEST VALVES AND PROVE SEAT TIGHTNESS. ACCOMPLISH A<br>SATISFACTORY OPERATIONAL TEST. |                  |            |                    |

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**Task/Abbreviation:** I-25312-017- -MN STM PIPING - CAR INSP**MJC:** EXECIJ66**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 60,000**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25312-017) NSTM REQUIREMENT DUE.

IAW NSTM CH-505, PARA. 505-1.4, ENGAGE CONTRACTOR TO ACCOMPLISH COMPUTER AIDED RADIOGRAPHIC TESTING OF THE MAIN STEAM SYSTEM PIPING, PRIOR TO AN INDUSTRIAL AVAILABILITY, FROM BOILER MAIN STEAM STOPS TO ALL SSTG STEAM SUPPLY VALVES, TO ALL PROPULSION TURBINE GUARDING VALVES, AND INCLUDING MAIN STEAM CROSS CONNECT PIPING, AS FOLLOWS: A. ESTABLISH SAFETY BOUNDARIES AROUND INSPECTED SYSTEM. B. OBTAIN ONE IMAGE AT EACH SELECTED AREA IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO WELDS, HANGERS, AND EXTERNAL CORROSION. 3. LOW POINTS. 4. EVERY 3 FEET ON STRAIGHT RUNS OF PIPE. 5. LOCATIONS WHERE THINNING IS SUSPECTED. C. CONTRACTOR TO PROVIDE INITIAL REPORT TO SHIP. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-25411-001- -MN COND - INSP/RPR**MJC:** EXECQ679**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 6,750**ManDays:** 150**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25411-001)CONDENSER REQUIRES REPAIR

CLEAN AND INSPECT THE TUBE NEST AND SHELL OF THE MAIN CONDENSER. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REMOVE THE WATER HEADS. B. RE-ROLL DESIGNATED TUBES. C. REPLACE DESIGNATED TUBES. D. PLUG DESIGNATED TUBES. E. PACK TUBES (DISCHARGE WATER HEAD). F. INSTALL TUBE INSERTS. G. REPLACE CONDENSER ZINCS. H. RECOAT/REPAIR TUBE SHEETS. I. REPLACE TUBE SHEETS. J. REPAIR TUBE SUPPORT PLATES. K. REPLACE DESIGNATED TUBE PLATE STAYS. L. ACCOMPLISH REPAIRS TO SHELL. M. ACCOMPLISH REPAIRS TO WATER HEAD(S). N. REINSTALL WATER HEADS.

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| Task/Abbreviation: I-25411-002- -MN COND VACUUM PMP UNIT - INSP |              |                  | MJC: EXECI446 |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:        | Qty: 2        | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1    | Matl Cost:    | ManDays: 3        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool: N/A | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-25411-002)THE MAIN CONDENSER VACUUM PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE MAIN CONDENSER VACUUM PUMP UNIT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. VIBRATION ANALYSIS SURVEY. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-25411-003- -MN COND VACUUM PMP - RPR |              |                  | MJC: EXECQAZ3  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:        | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1    | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool: N/A | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-25411-003)MAIN CONDENSER VACUUM PUMP WILL NOT DRAW SUFFICIENT VACUUM IF OPERATED ALONE FOR NORMAL OPERATING CONDITIONS. | OPEN, CLEAN AND INSPECT THE MAIN CONDENSER VACUUM PUMP. RECORD DIAMETERS OF THE ROTOR AND IDLE END/DRIVE END CONES. REPORT CONDITIONS FOUND TO THE NSA. REPLACE WITH NEW THE NORMAL WEAR PARTS TO INCLUDE THE IDLE END AND DRIVE END CONES BEARINGS AND SEALS. ACCOMPLISH NDT OF THE PUMP SHAFT. STONE/DRESS CASING MATING SEALING SURFACES. BALANCE ROTORS. REASSEMBLE PUMP USING NEW GASKETS, PACKING, LOCKNUTS, LOCKWASHERS AND KEYS. RECORD POST REPAIR CLEARANCES. REINSTALL THE PUMP AND ALIGN WITH MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25411-005- -MN COND VAC PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJB85 |  | <b>Rev Date:</b> 9/1/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,200   |  | <b>ManDays:</b> 26       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                 |
| BASELINE       | (Q-25411-005)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE MAIN CONDENSER VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25411-006- -MN COND VAC PMP MOT-RPR |  |                     |  | <b>MJC:</b> EXECJB87 |  | <b>Rev Date:</b> 9/1/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 300     |  | <b>ManDays:</b> 14       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                                                                                                          |
| BASELINE       | (Q-25411-006)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE PUMP ASSEMBLY ELECTRIC MOTOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-25411-007- -MN COND VAC PMP MOT BRG-REPL |         |               | MJC: EXECJB89  |            | Rev Date: 9/1/2011 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required:  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 150 | ManDays: 3 | Alt No:            |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                          |
| BASELINE | (Q-25411-007)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE MAIN CONDENSER VACUUM PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-25411-008- -MN COND VACUUM PMP BRGS - REPL |                |                      | <b>MJC:</b> EXECJBH6  |                    | <b>Rev Date:</b> 9/1/2011 |
| <b>RCM Analysis:</b>                                                   |                | <b>Scheduled:</b> N  | <b>Sit Reqs:</b>      | <b>Qty:</b> 2      | <b>Removal Required:</b>  |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0 | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 675 | <b>ManDays:</b> 12 | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                           |                | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                    |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                |
| BASELINE       | (Q-25411-008)PUMP BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE PUMP. REPLACE THE MAIN CONDENSER VACUUM PUMP IDLE END AND DRIVE END CONES, BEARINGS, AND SEALS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25411-009- -MN CNDS EQPT VIB TST- MRC G1P1 |              |               | MJC: EXECIG88 |                   | Rev Date: 9/1/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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|----------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25411-009)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-25412-001- -MN COND - INSP/RPR**MJC:** EXECQ680**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 500**ManDays:****Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25412-001)CONDENSER REQUIRES REPAIR

CLEAN AND INSPECT THE TUBE NEST AND SHELL OF THE MAIN CONDENSER. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REMOVE THE WATER HEADS. B. RE-ROLL DESIGNATED TUBES. C. REPLACE DESIGNATED TUBES. D. PLUG DESIGNATED TUBES. E. PACK TUBES (DISCHARGE WATER HEAD). F. INSTALL TUBE INSERTS. G. REPLACE CONDENSER ZINCS. H. RECOAT/REPAIR TUBE SHEETS. I. REPLACE TUBE SHEETS. J. REPAIR TUBE SUPPORT PLATES. K. REPLACE DESIGNATED TUBE PLATE STAYS. L. ACCOMPLISH REPAIRS TO SHELL. M. ACCOMPLISH REPAIRS TO WATER HEAD(S). N. REINSTALL WATER HEADS.

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|-----------------------------------------------------------------|------------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-25412-002- -MN COND VACUUM PMP UNIT - INSP |                  |               | MJC: EXECI449 |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                                   | Scheduled: N     | Sit Reqs:     | Qty: 2        | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0          | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:            |
| Referenced Authority:                                           | Repair Pool: N/A | MCC: 3        |               |                   |                    |

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| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-25412-002)THE MAIN CONDENSER VACUUM PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE MAIN CONDENSER VACUUM PUMP UNIT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. VIBRATION ANALYSIS SURVEY. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-25412-003- -MN COND VACUUM PMP - RPR**MJC:** EXECQAZ5**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:** N/A**MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25412-003)MAIN CONDENSER VACUUM PUMP  
WILL NOT DRAW SUFFICIENT VACUUM IF  
OPERATED ALONE FOR NORMAL OPERATING  
CONDITIONS.

OPEN, CLEAN AND INSPECT THE MAIN CONDENSER VACUUM PUMP.  
RECORD DIAMETERS OF THE ROTOR AND IDLE END/DRIVE END  
CONES. REPORT CONDITIONS FOUND TO THE NSA. REPLACE WITH  
NEW THE NORMAL WEAR PARTS TO INCLUDE THE IDLE END AND  
DRIVE END CONES BEARINGS AND SEALS. ACCOMPLISH NDT OF  
THE PUMP SHAFT. STONE/DRESS CASING MATING SEALING  
SURFACES. BALANCE ROTORS. REASSEMBLE PUMP USING NEW  
GASKETS, PACKING, LOCKNUTS, LOCKWASHERS AND KEYS.  
RECORD POST REPAIR CLEARANCES. REINSTALL THE PUMP AND  
ALIGN WITH MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL  
TEST.

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| <b>Task/Abbreviation:</b> Q-25412-005- -MN COND VAC PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJB86 |  | <b>Rev Date:</b> 9/1/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,200   |  | <b>ManDays:</b> 26       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                 |
| BASELINE       | (Q-25412-005)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE MAIN CONDENSER VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-25412-006- -MN COND VAC PMP MOT-RPR**MJC:** EXECJB88**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 300**ManDays:** 14**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25412-006)ELECTRIC MOTOR REQUIRES  
RECONDITIONINGRECONDITION THE ELECTRIC MOTOR OF THE MAIN CONDENSER  
VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM  
009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY  
OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN  
DEVELOPING SPEC.

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| Task/Abbreviation: Q-25412-007- -MN COND VAC PMP MOT BRG-REPL |         |               | MJC: EXECJB90  |            | Rev Date: 9/1/2011 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required:  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 150 | ManDays: 3 | Alt No:            |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                          |
| BASELINE | (Q-25412-007)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE MAIN CONDENSER VACUUM PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-25412-008- -MN COND VACUUM PMP BRGS - REPL |  |                     |  | <b>MJC:</b> EXECJBQ3 |  | <b>Rev Date:</b> 9/1/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675     |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                |
| BASELINE       | (Q-25412-008)PUMP BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE PUMP. REPLACE THE MAIN CONDENSER VACUUM PUMP IDLE END AND DRIVE END CONES, BEARINGS, AND SEALS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25412-009- -MN CNDS EQPT VIB TST- MRC G1P1 |              |               | MJC: EXECIG89 |                   | Rev Date: 9/1/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25412-009)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-25421-001- -AUX COND - INSP/RPR |              |               | MJC: EXECQ696    |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,375 | ManDays: 75       | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2           |                   |                    |

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|----------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-25421-001)CONDENSER REQUIRES REPAIR | CLEAN AND INSPECT THE TUBE NEST AND SHELL OF THE AUX CONDENSER. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REMOVE THE WATER HEADS. B. RE-ROLL DESIGNATED TUBES. C. REPLACE DESIGNATED TUBES. D. PLUG DESIGNATED TUBES. E. PACK TUBES (DISCHARGE WATER HEAD). F. INSTALL TUBE INSERTS. G. REPLACE CONDENSER ZINCS. H. RECOAT/REPAIR TUBE SHEETS. I. REPLACE TUBE SHEETS. J. REPAIR TUBE SUPPORT PLATES. K. REPLACE DESIGNATED TUBE PLATE STAYS. L. ACCOMPLISH REPAIRS TO SHELL. M. ACCOMPLISH REPAIRS TO WATER HEAD(S). N. REINSTALL WATER HEADS. |

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**Task/Abbreviation:** I-25421-002- -AUX COND VACUUM PMP UNIT- INSP**MJC:** EXECI447**Rev Date:** 9/1/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:** N/A**MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25421-002)THE AUXILIARY CONDENSER VACUUM  
PUMP UNIT REQUIRES INSPECTIONINSPECT AND TEST THE AUXILIARY CONDENSER VACUUM PUMP  
UNIT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. TO INCLUDE  
THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES.  
B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE  
TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E.  
VIBRATION ANALYSIS SURVEY. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-25421-003- -AUX COND VACUUM PMP - RPR |                  |               | MJC: EXECQAZ7  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                              | Scheduled: N     | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                            | Freq: 0          | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                      | Repair Pool: N/A | MCC: 2        |                |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25421-003)PUMP REQUIRES REPAIR | OPEN, CLEAN AND INSPECT THE AUXILIARY CONDENSER VACUUM PUMP. RECORD DIAMETERS OF THE ROTOR AND IDLE END/DRIVE END CONES. REPORT CONDITIONS FOUND TO THE NSA. REPLACE WITH NEW THE NORMAL WEAR PARTS TO INCLUDE THE IDLE END AND DRIVE END CONES BEARINGS AND SEALS. ACCOMPLISH NDT OF THE PUMP SHAFT. STONE/DRESS CASING MATING SEALING SURFACES. BALANCE ROTORS. REASSEMBLE PUMP USING NEW GASKETS, PACKING, LOCKNUTS, LOCKWASHERS AND KEYS. RECORD POST REPAIR CLEARANCES. REINSTALL THE PUMP AND ALIGN WITH MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-25421-005- -AUX COND VAC PMP MOT-RWND |              |               | MJC: EXECJD47  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 660 | ManDays: 20       | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2         |                   |                    |

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|----------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                             |
| BASELINE | (Q-25421-005)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25421-006- -AUX COND VAC PMP MOT-RPR |              |               | MJC: EXECJD51  |                   | Rev Date: 9/1/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 216 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                    |

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|----------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                          |
| BASELINE | (Q-25421-006)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-25421-007- -AUX COND VAC PMP MOT BRG-REPL |         |               | MJC: EXECJD55  |            | Rev Date: 9/1/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 108 | ManDays: 2 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 2         |            |                    |

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|----------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                               |
| BASELINE | (Q-25421-007)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-25421-008- -AUX COND VACUUM PMP BRGS-REPL |                     |                      | <b>MJC:</b> EXECJBQ4  |                          | <b>Rev Date:</b> 9/1/2011 |
| <b>RCM Analysis:</b>                                                  | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 4         | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                                | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 675 | <b>ManDays:</b> 12       | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                          |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 2         |                          |                           |

|                |                                                |                                                                                                                                                                  |
|----------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                     |
| BASELINE       | (Q-25421-008)PUMP BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE PUMP. REPLACE THE AUXILIARY CONDENSER VACUUM PUMP IDLE END AND DRIVE END CONES, BEARINGS, AND SEALS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-25421-009- -AUX CNDS EQPT VIB TST-MRC G1P1 |              |               | MJC: EXECIG90 |                   | Rev Date: 9/1/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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|----------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25421-009)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|------------------------------------------------------|--------------|---------------|------------------|-------------------|--------------------|
| Task/Abbreviation: Q-25422-001- -AUX COND - INSP/RPR |              |               | MJC: EXECQ697    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,375 | ManDays: 75       | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2           |                   |                    |

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|----------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-25422-001)CONDENSER REQUIRES REPAIR | CLEAN AND INSPECT THE TUBE NEST AND SHELL OF THE AUX CONDENSER. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REMOVE THE WATER HEADS. B. RE-ROLL DESIGNATED TUBES. C. REPLACE DESIGNATED TUBES. D. PLUG DESIGNATED TUBES. E. PACK TUBES (DISCHARGE WATER HEAD). F. INSTALL TUBE INSERTS. G. REPLACE CONDENSER ZINCS. H. RECOAT/REPAIR TUBE SHEETS. I. REPLACE TUBE SHEETS. J. REPAIR TUBE SUPPORT PLATES. K. REPLACE DESIGNATED TUBE PLATE STAYS. L. ACCOMPLISH REPAIRS TO SHELL. M. ACCOMPLISH REPAIRS TO WATER HEAD(S). N. REINSTALL WATER HEADS. |

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|-----------------------------------------------------------------|--------------|------------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-25422-002- -AUX COND VACUUM PMP UNIT- INSP |              |                  | MJC: EXECI448 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:        | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1    | Matl Cost:    | ManDays: 3        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool: N/A | MCC: 2        |                   |                    |

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|----------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-25422-002)THE AUXILIARY CONDENSER VACUUM PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE AUXILIARY CONDENSER VACUUM PUMP UNIT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. VIBRATION ANALYSIS SURVEY. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                            |  |              |  |                  |  |                    |  |                   |  |         |  |
|------------------------------------------------------------|--|--------------|--|------------------|--|--------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-25422-003- -AUX COND VACUUM PMP - RPR |  |              |  | MJC: EXECQAZ8    |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:        |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1    |  | Matl Cost: 675     |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool: N/A |  | MCC: 2             |  |                   |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25422-003)PUMP REQUIRES REPAIR | OPEN, CLEAN AND INSPECT THE AUXILIARY CONDENSER VACUUM PUMP. RECORD DIAMETERS OF THE ROTOR AND IDLE END/DRIVE END CONES. REPORT CONDITIONS FOUND TO THE NSA. REPLACE WITH NEW THE NORMAL WEAR PARTS TO INCLUDE THE IDLE END AND DRIVE END CONES BEARINGS AND SEALS. ACCOMPLISH NDT OF THE PUMP SHAFT. STONE/DRESS CASING MATING SEALING SURFACES. BALANCE ROTORS. REASSEMBLE PUMP USING NEW GASKETS, PACKING, LOCKNUTS, LOCKWASHERS AND KEYS. RECORD POST REPAIR CLEARANCES. REINSTALL THE PUMP AND ALIGN WITH MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                                   |  |                     |  |                      |  |                           |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> Q-25422-005- -AUX COND VAC PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJD48 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 660     |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                      |
| BASELINE       | (Q-25422-005)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25422-006- -AUX COND VAC PMP MOT-RPR |  |              |  | MJC: EXECJD52 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 216     |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                          |
| BASELINE | (Q-25422-006)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25422-007- -AUX COND VAC PMP MOT BRG-REPL |  |                                                          |  | <b>MJC:</b> EXECJD56 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                           |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                      |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                       |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                           |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 108                                                                                                                                               |  | <b>ManDays:</b> 2        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                          |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                     |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                              |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                        |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-25422-007)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT |  |                      |  | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |



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| Task/Abbreviation: Q-25422-008- -AUX COND VACUUM PMP BRGS-REPL |         |               | MJC: EXECJBQ5  |             | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 12 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 2         |             |                    |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                            |
| BASELINE | (Q-25422-008)PUMP BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE PUMP. REPLACE THE AUXILIARY CONDENSER VACUUM PUMP IDLE END AND DRIVE END CONES, BEARINGS, AND SEALS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25422-009- -AUX CNDS EQPT VIB TST-MRC G1P1 |              |               | MJC: EXECIG91 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25422-009)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-25423-001- -AUX COND - INSP/RPR |              |               | MJC: EXECQ698    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,375 | ManDays: 75       | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-25423-001)CONDENSER REQUIRES REPAIR | CLEAN AND INSPECT THE TUBE NEST AND SHELL OF THE AUX CONDENSER. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REMOVE THE WATER HEADS. B. RE-ROLL DESIGNATED TUBES. C. REPLACE DESIGNATED TUBES. D. PLUG DESIGNATED TUBES. E. PACK TUBES (DISCHARGE WATER HEAD). F. INSTALL TUBE INSERTS. G. REPLACE CONDENSER ZINCS. H. RECOAT/REPAIR TUBE SHEETS. I. REPLACE TUBE SHEETS. J. REPAIR TUBE SUPPORT PLATES. K. REPLACE DESIGNATED TUBE PLATE STAYS. L. ACCOMPLISH REPAIRS TO SHELL. M. ACCOMPLISH REPAIRS TO WATER HEAD(S). N. REINSTALL WATER HEADS. |

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| Task/Abbreviation: I-25423-002- -AUX COND VACUUM PMP UNIT- INSP |              |                  | MJC: EXECI450 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:        | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1    | Matl Cost:    | ManDays: 3        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool: N/A | MCC: 2        |                   |                    |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-25423-002)THE AUXILIARY CONDENSER VACUUM PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE AUXILIARY CONDENSER VACUUM PUMP UNIT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. VIBRATION ANALYSIS SURVEY. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-25423-003- -AUX COND VACUUM PMP - RPR |  |              |  | MJC: EXECQAZ9    |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:        |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1    |  | Matl Cost: 675     |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool: N/A |  | MCC: 2             |  |                   |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25423-003)PUMP REQUIRES REPAIR | OPEN, CLEAN AND INSPECT THE AUXILIARY CONDENSER VACUUM PUMP. RECORD DIAMETERS OF THE ROTOR AND IDLE END/DRIVE END CONES. REPORT CONDITIONS FOUND TO THE NSA. REPLACE WITH NEW THE NORMAL WEAR PARTS TO INCLUDE THE IDLE END AND DRIVE END CONES BEARINGS AND SEALS. ACCOMPLISH NDT OF THE PUMP SHAFT. STONE/DRESS CASING MATING SEALING SURFACES. BALANCE ROTORS. REASSEMBLE PUMP USING NEW GASKETS, PACKING, LOCKNUTS, LOCKWASHERS AND KEYS. RECORD POST REPAIR CLEARANCES. REINSTALL THE PUMP AND ALIGN WITH MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25423-005- -AUX COND VAC PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJD49 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 660     |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                      |
| BASELINE       | (Q-25423-005)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25423-006- -AUX COND VAC PMP MOT-RPR |  |                     |  | <b>MJC:</b> EXECJD53 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 216     |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                                                                                                                                   |
| BASELINE       | (Q-25423-006)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25423-007- -AUX COND VAC PMP MOT BRG-REPL |  |                                                          |  | <b>MJC:</b> EXECJD57 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                           |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                      |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                       |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                           |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 108                                                                                                                                               |  | <b>ManDays:</b> 2        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                          |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                     |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                              |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                        |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-25423-007)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT |  |                      |  | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |



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| <b>Task/Abbreviation:</b> Q-25423-008- -AUX COND VACUUM PMP BRGS-REPL |                |                      | <b>MJC:</b> EXECJBQ6  |                    | <b>Rev Date:</b> 9/2/2011 |
| <b>RCM Analysis:</b>                                                  |                | <b>Scheduled:</b> N  | <b>Sit Reqs:</b>      | <b>Qty:</b> 4      | <b>Removal Required:</b>  |
| <b>Lvl of Maint:</b> 1                                                | <b>Freq:</b> 0 | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 675 | <b>ManDays:</b> 12 | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                          |                | <b>Repair Pool:</b>  | <b>MCC:</b> 2         |                    |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                     |
| BASELINE       | (Q-25423-008)PUMP BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE PUMP. REPLACE THE AUXILIARY CONDENSER VACUUM PUMP IDLE END AND DRIVE END CONES, BEARINGS, AND SEALS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25423-009- -AUX CNDS EQPT VIB TST-MRC G1P1 |              |               | MJC: EXECIG92 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25423-009)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-25424-001- -AUX COND - INSP/RPR**MJC:** EXECQ699**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 3,375**ManDays:** 75**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25424-001)CONDENSER REQUIRES REPAIR

CLEAN AND INSPECT THE TUBE NEST AND SHELL OF THE AUX CONDENSER. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REMOVE THE WATER HEADS. B. RE-ROLL DESIGNATED TUBES. C. REPLACE DESIGNATED TUBES. D. PLUG DESIGNATED TUBES. E. PACK TUBES (DISCHARGE WATER HEAD). F. INSTALL TUBE INSERTS. G. REPLACE CONDENSER ZINCS. H. RECOAT/REPAIR TUBE SHEETS. I. REPLACE TUBE SHEETS. J. REPAIR TUBE SUPPORT PLATES. K. REPLACE DESIGNATED TUBE PLATE STAYS. L. ACCOMPLISH REPAIRS TO SHELL. M. ACCOMPLISH REPAIRS TO WATER HEAD(S). N. REINSTALL WATER HEADS.WATER HEAD). F. INSTALL TUBE INSERTS. G. REPLACE CONDENSER ZINCS. H. RECOAT/REPAIR TUBE SHEETS. I. REPLACE TUBE SHEETS. J. REPAIR TUBE SUPPORT PLATES. K. REPLACE DESIGNATED TUBE PLATE STAYS. L. ACCOMPLISH REPAIRS TO SHELL. M. ACCOMPLISH REPAIRS TO WATER HEAD(S). N. REINSTALL WATER HEADS.

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| Task/Abbreviation: I-25424-002- -AUX COND VACUUM PMP UNIT- INSP |                  | MJC: EXECI451 | Rev Date: 9/2/2011 |                   |         |
| RCM Analysis:                                                   | Scheduled: N     | Sit Reqs:     | Qty: 4             | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0          | Equip/Task: 1 | Matl Cost:         | ManDays: 3        | Alt No: |
| Referenced Authority:                                           | Repair Pool: N/A | MCC: 2        |                    |                   |         |

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|----------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-25424-002)THE AUXILIARY CONDENSER VACUUM PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE AUXILIARY CONDENSER VACUUM PUMP UNIT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. VIBRATION ANALYSIS SURVEY. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|------------------------------------------------------------|--|--------------|--|------------------|--|--------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-25424-003- -AUX COND VACUUM PMP - RPR |  |              |  | MJC: EXECQBA0    |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:        |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1    |  | Matl Cost: 675     |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool: N/A |  | MCC: 2             |  |                   |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25424-003)PUMP REQUIRES REPAIR | OPEN, CLEAN AND INSPECT THE AUXILIARY CONDENSER VACUUM PUMP. RECORD DIAMETERS OF THE ROTOR AND IDLE END/DRIVE END CONES. REPORT CONDITIONS FOUND TO THE NSA. REPLACE WITH NEW THE NORMAL WEAR PARTS TO INCLUDE THE IDLE END AND DRIVE END CONES BEARINGS AND SEALS. ACCOMPLISH NDT OF THE PUMP SHAFT. STONE/DRESS CASING MATING SEALING SURFACES. BALANCE ROTORS. REASSEMBLE PUMP USING NEW GASKETS, PACKING, LOCKNUTS, LOCKWASHERS AND KEYS. RECORD POST REPAIR CLEARANCES. REINSTALL THE PUMP AND ALIGN WITH MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25424-005- -AUX COND VAC PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJD50 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 660     |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                      |
| BASELINE       | (Q-25424-005)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25424-006- -AUX COND VAC PMP MOT-RPR |              |               | MJC: EXECJD54  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 216 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                          |
| BASELINE | (Q-25424-006)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

|                                                                       |  |                                                          |  |                      |  |                                                                                                                                                                     |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> Q-25424-007- -AUX COND VAC PMP MOT BRG-REPL |  |                                                          |  | <b>MJC:</b> EXECJD58 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                           |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                      |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                       |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                           |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 108                                                                                                                                               |  | <b>ManDays:</b> 2        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                          |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                     |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                              |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                        |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-25424-007)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT |  |                      |  | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSER VACUUM PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |



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| <b>Task/Abbreviation:</b> Q-25424-008- -AUX COND VACUUM PMP BRGS-REPL |  |                     |  | <b>MJC:</b> EXECJBQ7 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675     |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                     |
| BASELINE       | (Q-25424-008)PUMP BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE PUMP. REPLACE THE AUXILIARY CONDENSER VACUUM PUMP IDLE END AND DRIVE END CONES, BEARINGS, AND SEALS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25424-009- -AUX CNDS EQPT VIB TST-MRC G1P1 |              |               | MJC: EXECIG93 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25424-009)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-25511-006- -BLR FDW CONT VLV - RPR**MJC:** EXECQ706**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25511-006)CONTROL VALVE REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE BOILER FEEDWATER CONTROL VALVE PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING PNEUMATIC OPERATOR. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW GASKETS, SEALS, AND PACKING AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. A. REPLACE DIAPHRAGM. B. REPLACE SPRING. C. REPLACE PLUNGER AND SPINDLE ASSEMBLY. D. REPLACE CAGE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-25511-007- -BLR FDW CONT VLV - REPL |  |                                         |  | MJC: EXECJ151 |  | Rev Date: 9/2/2011                                                                                                                                             |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N                            |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0                                 |  | Equip/Task: 1 |  | Matl Cost: 2,500                                                                                                                                               |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                    |  |                                         |  | Repair Pool:  |  |                                                                                                                                                                |  | MCC: 3            |  |         |  |
| Reason:                                                  |  | Problem Description:                    |  |               |  | Recommended Solution:                                                                                                                                          |  |                   |  |         |  |
| BASELINE                                                 |  | (Q-25511-007)VALVE REQUIRES REPLACEMENT |  |               |  | REPLACE THE BOILER FEEDWATER CONTROL VALVE, INCLUDING PNEUMATIC OPERATOR PER CONDITION ASSESSMENT RECOMMENDATIONS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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**Task/Abbreviation:** I-25511-010- -FDW PP - CAR INSP**MJC:** EXECIJ81**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 45,000**ManDays:** 4**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25511-010) NSTM REQUIREMENT DUE.

IAW NSTM CH-505, PARA. 505-1.4, ENGAGE CONTRACTOR TO ACCOMPLISH COMPUTER AIDED RADIOGRAPHIC TESTING OF THE FEEDWATER SYSTEM PIPING, PRIOR TO AN INDUSTRIAL AVAILABILITY, FROM BOILER ECONOMIZER TO ALL MAIN FEED PUMPS, AS FOLLOWS: A. ESTABLISH SAFETY BOUNDARIES AROUND INSPECTED SYSTEM. B. OBTAIN ONE IMAGE AT EACH SELECTED AREA IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO WELDS, HANGERS, AND EXTERNAL CORROSION. 3. LOW POINTS. 4. EVERY 3 FEET ON STRAIGHT RUNS OF PIPE. 5. LOCATIONS WHERE THINNING IS SUSPECTED. C. CONTRACTOR TO PROVIDE INITIAL REPORT TO SHIP. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-25512-006- -BLR FDW CONT VLV - RPR**MJC:** EXECQ707**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25512-006)CONTROL VALVE REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE BOILER FEEDWATER CONTROL VALVE PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING PNEUMATIC OPERATOR. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW GASKETS, SEALS, AND PACKING AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. A. REPLACE DIAPHRAGM. B. REPLACE SPRING. C. REPLACE PLUNGER AND SPINDLE ASSEMBLY. D. REPLACE CAGE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| <b>Task/Abbreviation:</b> Q-25512-007- -BLR FDW CONT VLV - REPL |  |                                         |  | <b>MJC:</b> EXECJ118 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                     |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                  |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0                          |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 2,500                                                                                                                                        |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                         |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>             |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                   |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-25512-007)VALVE REQUIRES REPLACEMENT |  |                      |  | REPLACE THE BOILER FEEDWATER CONTROL VALVE, INCLUDING PNEUMATIC OPERATOR PER CONDITION ASSESSMENT RECOMMENDATIONS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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**Task/Abbreviation:** I-25512-010- -FDW PP - CAR INSP**MJC:** EXECIJ82**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 0**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 0**Matl Cost:****ManDays:** 0**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 0**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25512-010) NSTM REQUIREMENT DUE.

IAW NSTM CH-505, PARA. 505-1.4, ENGAGE CONTRACTOR TO ACCOMPLISH COMPUTER AIDED RADIOGRAPHIC TESTING OF THE FEEDWATER SYSTEM PIPING, PRIOR TO AN INDUSTRIAL AVAILABILITY, FROM BOILER ECONOMIZER TO ALL MAIN FEED PUMPS, AS FOLLOWS: A. ESTABLISH SAFETY BOUNDARIES AROUND INSPECTED SYSTEM. B. OBTAIN ONE IMAGE AT EACH SELECTED AREA IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO WELDS, HANGERS, AND EXTERNAL CORROSION. 3. LOW POINTS. 4. EVERY 3 FEET ON STRAIGHT RUNS OF PIPE. 5. LOCATIONS WHERE THINNING IS SUSPECTED. C. CONTRACTOR TO PROVIDE INITIAL REPORT TO SHIP. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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**Task/Abbreviation:** Q-25521-003- -MN FD PMP TURB - RPR**MJC:** EXECQBL4**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 4,500**ManDays:** 100**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25521-003)TURBINE REQUIRES REPAIR

OPEN TURBINE CASING AND REMOVE THE ROTATING ASSEMBLY TO SHOP. CLEAN AND INSPECT ALL PARTS. REPORT CONDITIONS FOUND TO THE NSA. BLAST CLEAN TURBINE ROTOR WITH ALUMINUM OXIDE. DYE-CHECK ROTOR ASSEMBLY BLADING/SHROUDS FOR CRACKS. CLEAN AND DYE-CHECK STATIONARY BLADING NOZZLES IN PLACE. DYNAMICALLY BALANCE ROTOR ASSEMBLY. UPON COMPLETION OF REPAIRS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW GASKETS AND JOINTING COMPOUND. MEASURE AND RECORD ALL AS RELEASED RUNNING CLEARANCES AND ALIGNMENT DATA. SHIP'S FORCE WILL CONDUCT OPERATIONAL TEST. A. CHROME/MACHINE JOURNALS. B. REMOVE STATIONARY BLADING/NOZZLES, DRESS AND REPAIR. C. DISMANTLE INLET STEAM CONTROL VALVE ASSEMBLY. INSPECT AND PROVIDE REPORT. DYE-CHECK/BLEED SEATS AND REPAIR AS NEEDED. D. REMOVE AND DISMANTLE ATTACHED LUBE OIL PUMP. E. REBABBIT/REPLACE JOURNAL/THRUST BEARINGS. F. REPLACE OIL DEFLECTORS. G. REPAIR OIL COOLER. H. REPLACE SEALS/CARBON PACKING. I. REPLACE THRUST COLLAR.

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**Task/Abbreviation:** Q-25521-004- -MN FD PMP SPD GOV - RPR**MJC:** EXECQB11**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 720**ManDays:** 16**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25521-004)GOVERNOR REQUIRES REPAIR

ACCOMPLISH AUTHORIZED REPAIR TO THE MECHANICAL-HYDRAULIC SPEED GOVERNOR OF THE MAIN FEED PUMP UNIT (STEAM TURBINE-DRIVEN) PER CONDITION ASSESSMENT AND/ OR FTSC/OEM RECOMMENDATIONS. DISCONNECT GOVERNOR LINKAGE, TUBE FITTINGS, ELECTRICAL WIRING AND MOUNTING FLANGE. SHIP TO QUALIFIED MAINTENANCE FACILITY FOR TEST STAND EVALUATION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, ASSEMBLE COMPONENTS USING NEW GKTS, O -RINGS, RETAINING RINGS, SEALS & ENSURE OIL PASSAGES ARE FREE FROM FOREIGN MATTER. REPL MISSING/ UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY POST-REPAIR TEST STAND TEST. REINSTALL GOVERNOR AND CONNECT MOUNTING FLANGE, TUBE FITTINGS, ELECTRICAL WIRING AND LINKAGE. PROVIDE TECH REPRESENTATIVE FOR IN-PLACE ACCOMPLISHMENT OF SPEED REGULATION ADJUSTMENT AND A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-25521-005- -MN FD PMP THROTTLE VLV - RPR**MJC:** EXECQB13**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 360**ManDays:** 8**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25521-005)TRIP/THROTTLE VALVE REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE TRIP AND THROTTLE VALVE ASSEMBLY OF THE MAIN FEED PUMP UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING HYDRAULIC OPERATING MECHANISM. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW GASKETS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. ENSURE SATISFACTORY SEAT AND VALVE DISC SURFACE CONTACT. A. REPAIR VALVES. B. REPAIR VALVE STEMS. C. REPLACE VALVE STEMS. D. REPLACE PILOT VALVES AND BUSHINGS. E. REPAIR STEAM STRAINER. F. REPLACE STEAM STRAINER. TEST HYDRAULIC OPERATING MECHANISM AND ADJUST TRIP DEVICE LINKAGE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-25521-006- -MN FD PMP INL CONT VLV - RPR**MJC:** EXECQB15**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25521-006)CONTROL VALVE ASSEMBLY  
REQUIRES REPAIRACCOMPLISH REPAIRS TO THE INLET STEAM CONTROL VALVE  
ASSEMBLY OF THE MAIN FEED PUMP UNIT PER CONDITION  
ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED.  
DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING  
ACTUATOR ASSEMBLY. REPORT CONDITIONS FOUND TO THE NSA.  
ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE  
FOLLOWING LIST, REINSTALL COMPONENTS AND REPLACE MISSING  
OR UNSERVICEABLE FASTENERS. A. REPAIR ACTUATOR ASSEMBLY.  
B. REPLACE ACTUATOR ASSEMBLY. C. REPAIR VALVES. D. REPLACE  
VALVES. E. REPAIR VALVE SEATS. F. REPLACE VALVE SEATS. G.  
REPLACE VALVE STEMS. H. REPLACE NITRATED VALVE STEM  
BUSHINGS. I. REPLACE LINKAGE PINS. J. REPLACE LINKAGE  
BUSHINGS. K. REPLACE SPRINGS. SET CRACKING POINT ON VALVE.  
ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

|                                                               |  |              |  |               |  |                    |  |                   |  |         |  |
|---------------------------------------------------------------|--|--------------|--|---------------|--|--------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-25521-007- -MN FD PMP ATCHD LO PMP - RPR |  |              |  | MJC: EXECQB17 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450     |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-25521-007)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE LUBE OIL PUMP (ROTARY GEAR). MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-25521-010- -MN FD PMP BRG - RPR**MJC:** EXECQ459**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25521-010)BEARINGS REQUIRE REPAIR

INSPECT & REPAIR DESIGNATED BEARINGS OF THE MAIN FEED PUMP UNIT (STM TURB DRIVEN) PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT ALL BEARING HOUSING & BEARING FINISHED SURFACES ARE CLEAN. ACCOMPLISH AS-FOUND BEARING PINCH CHECKS. MEASURE AND RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. ENSURE BEARING HOUSINGS CONCENTRICITY TO UNIT CENTERLINE. MEASURE & RECORD BEARING & JOURNAL DIMENSIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF AUTHORIZED REPAIRS, AS LISTED FROM THE FOLLOWING LIST, ENSURE SATISFACTORY BEARING PINCH AND CLEARANCES AND ASSEMBLE BEARING HOUSINGS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. A. RESURFACE AND MACHINE JOURNAL. B. REBABBITT DESIGNATED JOURNAL BEARINGS. C. REPLACE DESIGNATED JOURNAL BEARINGS. D. REPLACE DESIGNATED OIL DEFELCTORS. E. REPLACE THRUST BEARING SHOES (ACTIVE/INACTIVE). F. RPL THRUST BRG RETAINING RINGS (ACTIVE/INACTIVE). G. GRIND OR REPLACE THRUST COLLAR.

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| Task/Abbreviation: Q-25521-011- -MN FD PMP LO CLR - RPR |              |               | MJC: EXECQ103  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-25521-011)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER<br>CONDITION ASSESSMENT RECOMMENDATIONS AND AS<br>DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE<br>SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING &<br>INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON<br>COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING<br>LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS<br>AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL<br>DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG<br>DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE<br>ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT<br>PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL<br>COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K.<br>REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-25521-012- -MN FD PMP - OIL FLUSH |              |               | MJC: EXECQ107  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-25521-012)MAIN FEED PUMP UNIT REQUIRES OIL FLUSH | ACCOMPLISH AN OIL FLUSH OF THE MAIN FEED PUMP UNIT (STEAM TURBINE DRIVEN) AFTER DISCONNECTING, CLEANING AND PICKLING THE EXTERNAL LUBE OIL PIPING. ENSURE THAT OIL SUMP IS CLEAN AND FREE FROM FOREIGN MATTER. REASSEMBLE ALL BEARINGS, BEARING HOUSINGS AND UPPER-HALF COVERS. USE A FULL-CAPACITY OIL PUMP AND BY-PASS BEARINGS. FLUSH THROUGH ONE BEARING OUTLET AT A TIME ENSURING MAXIMUM FLOW AND PRESSURE DROP AND UNTIL OIL CONDITION PROVES TO BE FREE FROM FOREIGN MATTER. CLEAN LUBE OIL SUMP (POST-FLUSHING). FLUSH THROUGH INSTALLED FILTER SYSTEM UNTIL VISUAL AND DELTA PRESSURE READINGS ARE ACCEPTABLE. ENSURE THAT NO FOREIGN MATTER IS PRESENT WITHIN SYSTEM BEFORE LOADING UNIT. |



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| Task/Abbreviation: Q-25521-013- -MN FD PMP(CC) - RPR |              |               | MJC: EXECQ109    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,600 | ManDays: 80       | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-25521-013)PUMP REQUIRES REPAIR | OPEN TURBINE & PUMP ENDS (HEADS). MEASURE & RECORD AS-FOUND CLEARANCES. DISASSEMBLE & REMOVE THE ROTOR ASSEMBLY AND REPLACE WITH NEW ROTOR KIT. CLEAN & INSPECT ALL COMPONENTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. REASSEMBLE UNIT USING NEW BRGS, BUSHING(THROAT), GASKETS, KEYS, SEALS & WEARING RINGS. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. MEASURE/RECORD POST REPAIRS CLEARANCES. ACCOMPLISH SATISFACTORY OP TEST. A. REPLACE DESIGNATED TURBINE LABYRINTH PACKING RING ASSEMBLYS. B. REPLACE DESIGNATED OIL DEFLECTOR(S). C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. ACCOMPLISHED UNDER GUIDANCE OF TECH REP ON THE SHIP. |

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| Task/Abbreviation: Q-25521-016- -MN FD PMP LO CLR - PLUG TB |              |               | MJC: EXECJ437  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 495 | ManDays: 11       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-25521-016)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25521-017- -MN FD PMP LO CLR - REPL BUNDLE |  |                                                      |  | <b>MJC:</b> EXECJ439 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                                                              |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N                                  |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0                                       |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 608                                                                                                                                                                                                                                  |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                                                      |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                        |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b>                          |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                           |  |                          |  |                |  |
| BASELINE                                                               |  | (Q-25521-017)COOLER TUBE BUNDLE REQUIRES REPLACEMENT |  |                      |  | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-25521-018- -MN FD PMP LO CLR - REPL TB |  |              |  | MJC: EXECJ441 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 540     |  | ManDays: 12       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-25521-018)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25521-019- -MN FD PMP LO CLR - REPL ZINCS |              |               | MJC: EXECJ443  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (Q-25521-019)ZINCS REQUIRE REPLACEMENT | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25521-020- -MN FD PMP LO CLR - REROLL TB |              |               | MJC: EXECJ445  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 540 | ManDays: 12       | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-25521-020)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25521-021- -MN FD PMP LO CLR - RPR TB SH |  |                     |  | <b>MJC:</b> EXECJ447 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 630     |  | <b>ManDays:</b> 14       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                               |
| BASELINE       | (Q-25521-021)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|----------------------------------------------------------------|---------|---------------|----------------|-------------|--------------------|
| Task/Abbreviation: Q-25521-022- -MN FD PMP LO CLR-RPR TB SPRTS |         |               | MJC: EXECJ449  |             | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 630 | ManDays: 14 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 2         |             |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-25521-022)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-25521-027- -MN FD PMP ATCHD LO CSG-REPL |  |                     |  | <b>MJC:</b> EXECJBQ8 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450     |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                   | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                  |
| BASELINE       | (Q-25521-027)PUMP CASING REQUIRES REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ALOP; ROTARY/GEAR) OF THE MAIN FEED PUMP UNIT (STEAM TURBINE-DRIVEN). REPLACE THE OUTER CASING. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25521-028- -MN FD PMP ATCHD LO INT-REPL |  |              |  | MJC: EXECJBQ9 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450     |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-25521-028)PUMP INTERNALS REQUIRE REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ALOP; ROTARY/GEAR) OF THE MAIN FEED PUMP UNIT (STEAM TURBINE-DRIVEN). REPLACE PUMP INTERNALS AS A MATCHED SET (INTERNAL REPLACEMENT KIT) PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF INTERNAL REPLACEMENT REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25521-035- -MN FD PMP - MRC B3BZ |              |               | MJC: EXECIDO3 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                               | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 3                                       | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2        |                   |                    |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-25521-035)THE MAIN FEED PUMP REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN FEED PUMP ASSESSMENT IN ACCORDANCE WITH MRC B3BZ AS FOLLOWS: 1. TEST LOW LUBE OIL PRESSURE SAFETY TRIP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-25521-047- -MN FD PMP - MRC C2JD**MJC:** EXECIEE1**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25521-047)THE MAIN FEED PUMPS REQUIRES ASSESSMENT.

ACCOMPLISH THE MAIN FEED PUMPS ASSESSMENT IN ACCORDANCE WITH MRC C2JD AS FOLLOWS: 1. TEST LOW SUCTION PRESSURE SAFETY TRIP AND EMERGENCY TRIP VALVE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-25521-052- -MN FD PMP THRUST BRG- MRC P48B |              |               | MJC: EXECIFW6 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2        |                   |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-25521-052)THE MAIN FEED PUMPS REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN FEED PUMPS ASSESSMENT IN ACCORDANCE WITH MRC P48B AS FOLLOWS: 1. MEASURE THRUST BEARING CLEARANCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-25521-053- -MN FD PMP - MRC S42F |              |               | MJC: EXECIFW9 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                               | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 3                                       | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2        |                   |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                            |
| BASELINE | (I-25521-053)THE MAIN FEED PUMPS REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN FEED PUMPS ASSESSMENT IN ACCORDANCE WITH MRC S42F AS FOLLOWS: 1. TEST OVERSPEED TRIP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-25521-055- -MN FD PMP - MRC T21U**MJC:** EXECIFX3**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25521-055)THE MAIN FEED PUMPS REQUIRES ASSESSMENT.

ACCOMPLISH THE MAIN FEED PUMPS ASSESSMENT IN ACCORDANCE WITH MRC T21U AS FOLLOWS: 1. TEST LOW SUCTION PRESSURE SAFETY TRIP AND EMERGENCY TRIP VALVE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

|                                                                |              |               |               |                   |                    |
|----------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-25521-056- -MN FD PMP GOVERNOR - MRC X16M |              |               | MJC: EXECIFX5 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                        | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2        |                   |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-25521-056)THE MAIN FEED PUMPS REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN FEED PUMPS ASSESSMENT IN ACCORDANCE WITH MRC X16M AS FOLLOWS: 1. TEST SPEED-LIMITING GOVERNOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-25521-057- -MN FD PMP VIB TST - MRC G1P1 |  |              | MJC: EXECIG97 |               | Rev Date: 9/2/2011 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                       |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              |               | Repair Pool:  |                    |            | MCC: 3            |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25521-057)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-25522-003- -MN FD PMP TURB - RPR**MJC:** EXECQBK0**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 4,500**ManDays:** 100**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25522-003)TURBINE REQUIRES REPAIR

OPEN TURBINE CASING AND REMOVE THE ROTATING ASSEMBLY TO SHOP. CLEAN AND INSPECT ALL PARTS. REPORT CONDITIONS FOUND TO THE NSA. BLAST CLEAN TURBINE ROTOR WITH ALUMINUM OXIDE. DYE-CHECK ROTOR ASSEMBLY BLADING/SHROUDS FOR CRACKS. CLEAN AND DYE-CHECK STATIONARY BLADING NOZZLES IN PLACE. DYNAMICALLY BALANCE ROTOR ASSEMBLY. UPON COMPLETION OF REPAIRS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW GASKETS AND JOINTING COMPOUND. MEASURE AND RECORD ALL AS RELEASED RUNNING CLEARANCES AND ALIGNMENT DATA. SHIP'S FORCE WILL CONDUCT OPERATIONAL TEST. A. CHROME/MACHINE JOURNALS. B. REMOVE STATIONARY BLADING/NOZZLES, DRESS AND REPAIR. C. DISMANTLE INLET STEAM CONTROL VALVE ASSEMBLY. INSPECT AND PROVIDE REPORT. DYE-CHECK/BLUE SEATS AND REPAIR AS NEEDED. D. REMOVE AND DISMANTLE ATTACHED LUBE OIL PUMP. E. REBABBIT/REPLACE JOURNAL/THRUST BEARINGS. F. REPLACE OIL DEFLECTORS. G. REPAIR OIL COOLER. H. REPLACE SEALS/CARBON PACKING. I. REPLACE THRUST COLLAR.

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**Task/Abbreviation:** Q-25522-004- -MN FD PMP SPD GOV - RPR**MJC:** EXECQB12**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 720**ManDays:** 16**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25522-004)GOVERNOR REQUIRES REPAIR

ACCOMPLISH AUTHORIZED REPAIR TO THE MECHANICAL-HYDRAULIC SPEED GOVERNOR OF THE MAIN FEED PUMP UNIT (STEAM TURBINE-DRIVEN) PER CONDITION ASSESSMENT AND/ OR FTSC/OEM RECOMMENDATIONS. DISCONNECT GOVERNOR LINKAGE, TUBE FITTINGS, ELECTRICAL WIRING AND MOUNTING FLANGE. SHIP TO QUALIFIED MAINTENANCE FACILITY FOR TEST STAND EVALUATION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, ASSEMBLE COMPONENTS USING NEW GKTS, O -RINGS, RETAINING RINGS, SEALS & ENSURE OIL PASSAGES ARE FREE FROM FOREIGN MATTER. REPL MISSING/ UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY POST-REPAIR TEST STAND TEST. REINSTALL GOVERNOR AND CONNECT MOUNTING FLANGE, TUBE FITTINGS, ELECTRICAL WIRING AND LINKAGE. PROVIDE TECH REPRESENTATIVE FOR IN-PLACE ACCOMPLISHMENT OF SPEED REGULATION ADJUSTMENT AND A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-25522-005- -MN FD PMP THROTTLE VLV - RPR |              |               | MJC: EXECQB14  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 360 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-25522-005)TRIP/THROTTLE VALVE REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE TRIP AND THROTTLE VALVE ASSEMBLY OF THE MAIN FEED PUMP UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING HYDRAULIC OPERATING MECHANISM. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW GASKETS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. ENSURE SATISFACTORY SEAT AND VALVE DISC SURFACE CONTACT. A. REPAIR VALVES. B. REPAIR VALVE STEMS. C. REPLACE VALVE STEMS. D. REPLACE PILOT VALVES AND BUSHINGS. E. REPAIR STEAM STRAINER. F. REPLACE STEAM STRAINER. TEST HYDRAULIC OPERATING MECHANISM AND ADJUST TRIP DEVICE LINKAGE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25522-006- -MN FD PMP INL CONT VLV - RPR |              |               | MJC: EXECQB16  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25522-006)CONTROL VALVE ASSEMBLY<br>REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE INLET STEAM CONTROL VALVE<br>ASSEMBLY OF THE MAIN FEED PUMP UNIT PER CONDITION<br>ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED.<br>DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING<br>ACTUATOR ASSEMBLY. REPORT CONDITIONS FOUND TO THE NSA.<br>ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE<br>FOLLOWING LIST, REINSTALL COMPONENTS AND REPLACE MISSING<br>OR UNSERVICEABLE FASTENERS. A. REPAIR ACTUATOR ASSEMBLY.<br>B. REPLACE ACTUATOR ASSEMBLY. C. REPAIR VALVES. D. REPLACE<br>VALVES. E. REPAIR VALVE SEATS. F. REPLACE VALVE SEATS. G.<br>REPLACE VALVE STEMS. H. REPLACE NITRATED VALVE STEM<br>BUSHINGS. I. REPLACE LINKAGE PINS. J. REPLACE LINKAGE<br>BUSHINGS. K. REPLACE SPRINGS. SET CRACKING POINT ON VALVE.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25522-007- -MN FD PMP ATCHD LO PMP - RPR |              |               | MJC: EXECQB18  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25522-007)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE LUBE OIL PUMP (ROTARY GEAR) . MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-25522-010- -MN FD PMP BRG - RPR**MJC:** EXECQ095**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25522-010)BEARINGS REQUIRE REPAIR

INSPECT & REPAIR DESIGNATED BEARINGS OF THE MAIN FEED PUMP UNIT (STM TURB DRIVEN) PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT ALL BEARING HOUSING & BEARING FINISHED SURFACES ARE CLEAN. ACCOMPLISH AS-FOUND BEARING PINCH CHECKS. MEASURE AND RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. ENSURE BEARING HOUSINGS CONCENTRICITY TO UNIT CENTERLINE. MEASURE & RECORD BEARING & JOURNAL DIMENSIONS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF AUTHORIZED REPAIRS, AS LISTED FROM THE FOLLOWING LIST, ENSURE SATISFACTORY BEARING PINCH AND CLEARANCES AND ASSEMBLE BEARING HOUSINGS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. A. RESURFACE AND MACHINE JOURNAL. B. REBABBITT DESIGNATED JOURNAL BEARINGS. C. REPLACE DESIGNATED JOURNAL BEARINGS. D. REPLACE DESIGNATED OIL DEFELCTORS. E. REPLACE THRUST BEARING SHOES (ACTIVE/INACTIVE). F. RPL THRUST BRG RETAINING RINGS (ACTIVE/INACTIVE). G. GRIND OR REPLACE THRUST COLLAR.

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**Task/Abbreviation:** Q-25522-011- -MN FD PMP LO CLR - RPR**MJC:** EXECQ106**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25522-011)COOLER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE.



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| Task/Abbreviation: Q-25522-012- -MN FD PMP - OIL FLUSH |              |               | MJC: EXECQ108  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-25522-012)MAIN FEED PUMP UNIT REQUIRES OIL FLUSH | ACCOMPLISH AN OIL FLUSH OF THE MAIN FEED PUMP UNIT (STEAM TURBINE DRIVEN) AFTER DISCONNECTING, CLEANING AND PICKLING THE EXTERNAL LUBE OIL PIPING. ENSURE THAT OIL SUMP IS CLEAN AND FREE FROM FOREIGN MATTER. REASSEMBLE ALL BEARINGS, BEARING HOUSINGS AND UPPER-HALF COVERS. USE A FULL-CAPACITY OIL PUMP AND BY-PASS BEARINGS. FLUSH THROUGH ONE BEARING OUTLET AT A TIME ENSURING MAXIMUM FLOW AND PRESSURE DROP AND UNTIL OIL CONDITION PROVES TO BE FREE FROM FOREIGN MATTER. CLEAN LUBE OIL SUMP (POST-FLUSHING). FLUSH THROUGH INSTALLED FILTER SYSTEM UNTIL VISUAL AND DELTA PRESSURE READINGS ARE ACCEPTABLE. ENSURE THAT NO FOREIGN MATTER IS PRESENT WITHIN SYSTEM BEFORE LOADING UNIT. |

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| Task/Abbreviation: Q-25522-013- -MN FD PMP(CC) - RPR |              |               | MJC: EXECQ110    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,600 | ManDays: 80       | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-25522-013)PUMP REQUIRES REPAIR | OPEN TURBINE & PUMP ENDS (HEADS). MEASURE & RECORD AS-FOUND CLEARANCES. DISASSEMBLE & REMOVE THE ROTOR ASSEMBLY AND REPLACE WITH NEW ROTOR KIT. CLEAN & INSPECT ALL COMPONENTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. REASSEMBLE UNIT USING NEW BRGS, BUSHING(THROAT), GASKETS, KEYS, SEALS & WEARING RINGS. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. MEASURE/RECORD POST REPAIRS CLEARANCES. ACCOMPLISH SATISFACTORY OP TEST. A. REPLACE DESIGNATED TURBINE LABYRINTH PACKING RING ASSEMBLYS. B. REPLACE DESIGNATED OIL DEFLECTOR(S). C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. ACCOMPLISHED UNDER GUIDANCE OF TECH REP ON THE SHIP. |

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| Task/Abbreviation: Q-25522-014- -MN FD PMP LO CLR - PLUG TB |              |               | MJC: EXECJ438  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 495 | ManDays: 11       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-25522-014)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25522-015- -MN FD PMP LO CLR - REPL BUNDLE |                                                      |                                                                                                                                                                                                                                                        | <b>MJC:</b> EXECJ440  |                          | <b>Rev Date:</b> 9/2/2011 |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N                                  | <b>Sit Reqs:</b>                                                                                                                                                                                                                                       | <b>Qty:</b> 4         | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0                                       | <b>Equip/Task:</b> 1                                                                                                                                                                                                                                   | <b>Matl Cost:</b> 608 | <b>ManDays:</b> 20       | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                           |                                                      | <b>Repair Pool:</b>                                                                                                                                                                                                                                    | <b>MCC:</b> 2         |                          |                           |
| <b>Reason:</b>                                                         | <b>Problem Description:</b>                          | <b>Recommended Solution:</b>                                                                                                                                                                                                                           |                       |                          |                           |
| BASELINE                                                               | (Q-25522-015)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                       |                          |                           |

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|-------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-25522-016- -MN FD PMP LO CLR - REPL TB |              |               | MJC: EXECJ442  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 540 | ManDays: 12       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-25522-016)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25522-017- -MN FD PMP LO CLR - REPL ZINCS |  |                                        |  | MJC: EXECJ444 |  | Rev Date: 9/2/2011                                                                                                                                                                                                                                              |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 405                                                                                                                                                                                                                                                  |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                          |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 2            |  |         |  |
| Reason:                                                        |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                       |  | (Q-25522-017)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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|---------------------------------------------------------------|---------|---------------|----------------|-------------|--------------------|
| Task/Abbreviation: Q-25522-018- -MN FD PMP LO CLR - REROLL TB |         |               | MJC: EXECJ446  |             | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 540 | ManDays: 12 | Alt No:            |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2         |             |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-25522-018)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25522-019- -MN FD PMP LO CLR - RPR TB SH |  |              |  | MJC: EXECJ448 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 630     |  | ManDays: 14       |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  |  | Problem Description:                           |  | Recommended Solution:                                                                                                                                                                                                                                                                      |  |
| BASELINE |  | (Q-25522-019)COOLER TUBE SHEETS REQUIRE REPAIR |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |



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|----------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-25522-020- -MN FD PMP LO CLR-RPR TB SPRTS |              |               | MJC: EXECJ450  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 630 | ManDays: 14       | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-25522-020)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25522-021- -MN FD PMP ATCHD LO CSG - REPL |         |               | MJC: EXECJBR0  |             | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 2         |             |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                         |
| BASELINE | (Q-25522-021)PUMP CASING REQUIRES REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ALOP; ROTARY/GEAR) OF THE MAIN FEED PUMP UNIT (STEAM TURBINE-DRIVEN). REPLACE THE OUTER CASING. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25522-022- -MN FD PMP ATCHD LO INT - REPL |  |                     |  | <b>MJC:</b> EXECJBR1 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450     |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                     | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE       | (Q-25522-022)PUMP INTERNALS REQUIRE REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ALOP; ROTARY/GEAR) OF THE MAIN FEED PUMP UNIT (STEAM TURBINE-DRIVEN). REPLACE PUMP INTERNALS AS A MATCHED SET (INTERNAL REPLACEMENT KIT) PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF INTERNAL REPLACEMENT REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-25522-033- -MN FD PMP - MRC B3BZ**MJC:** EXECIDO4**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25522-033)THE MAIN FEED PUMP REQUIRES ASSESSMENT.

ACCOMPLISH THE MAIN FEED PUMP ASSESSMENT IN ACCORDANCE WITH MRC B3BZ AS FOLLOWS: 1. TEST LOW LUBE OIL PRESSURE SAFETY TRIP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-25522-045- -MN FD PMP - MRC C2JD**MJC:** EXECIEE2**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25522-045)THE MAIN FEED PUMPS REQUIRES ASSESSMENT.

ACCOMPLISH THE MAIN FEED PUMPS ASSESSMENT IN ACCORDANCE WITH MRC C2JD AS FOLLOWS: 1. TEST LOW SUCTION PRESSURE SAFETY TRIP AND EMERGENCY TRIP VALVE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-25522-050- -MN FD PMP THRUST BRG- MRC P48B |              |               | MJC: EXECIFW7 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2        |                   |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-25522-050)THE MAIN FEED PUMPS REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN FEED PUMPS ASSESSMENT IN ACCORDANCE WITH MRC P48B AS FOLLOWS: 1. MEASURE THRUST BEARING CLEARANCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-25522-051- -MN FD PMP - MRC S42F**MJC:** EXECIFX0**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25522-051)THE MAIN FEED PUMPS REQUIRES ASSESSMENT.

ACCOMPLISH THE MAIN FEED PUMPS ASSESSMENT IN ACCORDANCE WITH MRC S42F AS FOLLOWS: 1. TEST OVERSPEED TRIP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-25522-053- -MN FD PMP - MRC T21U |  |              | MJC: EXECIFX4 |               | Rev Date: 9/2/2011 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                               |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 4     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                       |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                 |  |              | Repair Pool:  |               |                    | MCC: 2     |                   |            |         |  |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (I-25522-053)THE MAIN FEED PUMPS REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN FEED PUMPS ASSESSMENT IN ACCORDANCE WITH MRC T21U AS FOLLOWS: 1. TEST LOW SUCTION PRESSURE SAFETY TRIP AND EMERGENCY TRIP VALVE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-25522-054- -MN FD PMP GOVERNOR - MRC X16M |  |              | MJC: EXECIFX6 |               | Rev Date: 9/2/2011 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                        |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 4     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                          |  |              |               | Repair Pool:  |                    |            | MCC: 2            |            |         |  |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-25522-054)THE MAIN FEED PUMPS REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN FEED PUMPS ASSESSMENT IN ACCORDANCE WITH MRC X16M AS FOLLOWS: 1. TEST SPEED-LIMITING GOVERNOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-25522-055- -MN FD PMP VIB TST - MRC G1P1 |  |              | MJC: EXECIG98 |               | Rev Date: 9/2/2011 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                       |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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|----------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25522-055)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-25531-001- -MN FD BSTR PMP UNIT - INSP/TST |              |               | MJC: EXECI071 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 5        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2        |                   |                    |

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|----------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-25531-001)THE MAIN FEED BOOSTER PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE MAIN FEED BOOSTER CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-25531-003- -MN FD BSTR PMP - RPR**MJC:** EXECQ170**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,925**ManDays:** 65**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25531-003)PUMP REQUIRES REPAIR

REPAIR THE MAIN FEED BOOSTER PUMP. DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPORT CONDITIONS FOUND TO THE NSA. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. J. REPLACE STAGE PIECE(S). K. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTH COATING SYSTEM. L. MACHINE CASING IN WAY OF STUFFING BOX/MECH SEAL ASSEMBLY. M. REPLACE COUPLING. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, WEARING RINGS AND SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS.

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| <b>Task/Abbreviation:</b> Q-25531-014- -MN FD BSTR PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJB79 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,200   |  | <b>ManDays:</b> 26       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                             |
| BASELINE       | (Q-25531-014)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE MAIN FEED BOOSTER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25531-015- -MN FD BSTR PMP MOT-RPR |              |               | MJC: EXECJB81  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 300 | ManDays: 14       | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                 |
| BASELINE | (Q-25531-015)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE MAIN FEED BOOSTER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-25531-016- -MN FD BSTR PMP MOT BRG-REPL |         |               | MJC: EXECJB83  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 1 | Matl Cost: 150 | ManDays: 3 | Alt No:            |
| Referenced Authority:                                        |         | Repair Pool:  | MCC: 2         |            |                    |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                      |
| BASELINE | (Q-25531-016)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE MAIN FEED BOOSTER PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25531-017- -MN FD BSTR PMP MECH SEAL-REPL |  |                                             |  | <b>MJC:</b> EXECJBI1 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                  |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 350                                                                                                                                                                                          |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                   |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-25531-017)PUMP SEAL REQUIRES REPLACEMENT |  |                      |  | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |



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|-----------------------------------------------------------------|---------|---------------|------------------|-------------|--------------------|
| Task/Abbreviation: Q-25531-018- -MN FD BSTR PMP WEAR RINGS-REPL |         |               | MJC: EXECJBI2    |             | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:        | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,200 | ManDays: 10 | Alt No:            |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 2           |             |                    |

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|----------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-25531-018)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25531-019- -MN FD BSTR PMP RT ASSY - RPR |         |               | MJC: EXECJBI3    |             | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:        | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,500 | ManDays: 30 | Alt No:            |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2           |             |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-25531-019)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25531-023- -MFBP VIB TST - MRC G1P1 |  |              | MJC: EXECIG99 |               | Rev Date: 9/2/2011 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                  |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                          |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25531-023)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-25532-001- -MN FD BSTR PMP UNIT - INSP/TST**MJC:** EXECI073**Rev Date:** 9/2/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** **ManDays:** 5 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 2**Reason:**

BASELINE

**Problem Description:**(I-25532-001)THE MAIN FEED BOOSTER PUMP UNIT  
REQUIRES INSPECTION**Recommended Solution:**INSPECT AND TEST THE MAIN FEED BOOSTER CENTRIFUGAL PUMP.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE  
FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B.  
OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE  
TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E.  
RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS  
SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK  
REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-25532-003- -MN FD BSTR PMP - RPR**MJC:** EXECQ172**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,925**ManDays:** 65**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25532-003)PUMP REQUIRES REPAIR

REPAIR THE MAIN FEED BOOSTER PUMP. DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPORT CONDITIONS FOUND TO THE NSA. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. J. REPLACE STAGE PIECE(S). K. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTH COATING SYSTEM. L. MACHINE CASING IN WAY OF STUFFING BOX/MECH SEAL ASSEMBLY. M. REPLACE COUPLING. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, WEARING RINGS AND SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS.

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| Task/Abbreviation: Q-25532-014- -MN FD BSTR PMP MOT-RWND |              | MJC: EXECJB80 | Rev Date: 9/2/2011 |                   |         |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4             | Removal Required: |         |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,200   | ManDays: 26       | Alt No: |
| Referenced Authority:                                    | Repair Pool: | MCC: 2        |                    |                   |         |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                    |
| BASELINE | (Q-25532-014)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE MAIN FEED BOOSTER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25532-015- -MN FD BSTR PMP MOT-RPR |              |               | MJC: EXECJB82  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 300 | ManDays: 14       | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                 |
| BASELINE | (Q-25532-015)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE MAIN FEED BOOSTER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25532-016- -MN FD BSTR PMP MOT BRG-REPL |  |                                                          |  | <b>MJC:</b> EXECJB84 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                  |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N                                      |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0                                           |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 150                                                                                                                                      |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                                          |  | <b>Repair Pool:</b>  |  |                                                                                                                                                            |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>                              |  |                      |  | <b>Recommended Solution:</b>                                                                                                                               |  |                          |  |                |  |
| BASELINE                                                            |  | (Q-25532-016)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT |  |                      |  | DISASSEMBLE THE ELECTRIC MOTOR OF THE MAIN FEED BOOSTER PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |



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| <b>Task/Abbreviation:</b> Q-25532-017- -MN FD BSTR PMP MECH SEAL-REPL |  |                                             |  | <b>MJC:</b> EXECJBR6 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                  |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 350                                                                                                                                                                                          |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                   |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-25532-017)PUMP SEAL REQUIRES REPLACEMENT |  |                      |  | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-25532-018- -MN FD BSTR PMP WEAR RINGS-REPL |  |              |  | MJC: EXECJBR7 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,200   |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-25532-018)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25532-019- -MN FD BSTR PMP RT ASSY - RPR |              |               | MJC: EXECJBR8    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,500 | ManDays: 30       | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-25532-019)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25532-023- -MFBP VIB TST - MRC G1P1 |  |              | MJC: EXECIGA0 |               | Rev Date: 9/2/2011 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                  |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                          |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25532-023)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-25535-002- -EMER FD PMP - RPR**MJC:** EXECQB23**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,925**ManDays:** 65**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25535-002)PUMP REQUIRES REPAIR

OPEN, CLEAN AND INSPECT THE STEAM DRIVEN EMERGENCY FEED PUMP (RECIPROCATING). MEASURE & RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF STEAM AND LIQUID PISTONS & PISTON RODS, MAIN & AUXILIARY PISTON VALVES & MAIN & AUXILIARY PISTON VALVE LINERS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW STEAM PISTON RINGS, LIQUID PISTON PACKING, GASKETS & STEAM & LIQUID PISTON ROD & VALVE ROD PACKING ASSEMBLIES. REPLACE MISSING/UNSERVICEABLE FASTENERS. MEASURE & RECORD POST REPAIR DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. A. REPAIR MAIN AND AUXILIARY PISTONS. B. REPLACE MAIN AND AUXILIARY PISTONS. C. REPAIR MAIN AND AUXILIARY PISTON RODS. D. REPLACE MAIN AND AUXILIARY PISTON RODS. E. REPLACE PISTON VALVES AND LINERS. F. REPAIR DISCHARGE & SUCTION VALVE ASSEMBLIES. G. REPLACE DISCHARGE & SUCTION VALVE ASSEMBLIES. H. HONE STEAM AND LIQUID CYLINDER

|                                                            |  |              |  |               |  |                    |  |                   |  |         |  |
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| Task/Abbreviation: Q-25535-003- -EMER FD PMP STM END - RPR |  |              |  | MJC: EXECJBI4 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 3,500   |  | ManDays: 17       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-25535-003)PUMP REQUIRES REPAIR | OPEN, CLEAN AND INSPECT THE STEAM END OF THE EMERGENCY FEED PUMP (RECIPROCATING). MEASURE AND RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF STEAM PISTON, PISTON ROD, AND STEAM CYLINDER LINER. REPORT CONDITIONS FOUND TO THE NSA. REPAIR WORN, SCORED OR PITTED PISTONS AND LINER AS REQUIRED. ASSEMBLE STEAM END USING NEW PISTON RINGS, PACKING AND GASKETS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25535-004- -EMER FD PMP LIQUID END - RPR |  |              |  | MJC: EXECJBI5 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 3,500   |  | ManDays: 17       |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-25535-004)PUMP REQUIRES REPAIR | OPEN, CLEAN AND INSPECT THE LIQUID END OF THE EMERGENCY FEED PUMP (RECIPROCATING). MEASURE AND RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF LIQUID END PISTON, PISTON ROD, CYLINDER LINER. REPORT CONDITIONS FOUND TO THE NSA. REPAIR WORN, SCORED OR PITTED PISTON AND LINER AS REQUIRED. ASSEMBLE LIQUID END USING NEW PISTON RINGS, PACKING AND GASKETS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25535-005- -EMER FD PMP STM END - RENEW |  |                     |  | <b>MJC:</b> EXECJBI6 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 3,500   |  | <b>ManDays:</b> 17       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                |
| BASELINE       | (Q-25535-005)PUMP STEAM END COMPONENTS REQUIRE RENEWAL | OPEN, CLEAN AND INSPECT THE STEAM END OF THE EMERGENCY FEED PUMP (RECIPROCATING). MEASURE AND RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. REPLACE PISTON, PISTON ROD, PISTON RINGS, AND STEAM CYLINDER LINER AS REQUIRED. ASSEMBLE STEAM END USING NEW PACKING AND GASKETS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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|-----------------------------------------------------------------|--------------|---------------|--------------------|-------------------|---------|
| Task/Abbreviation: Q-25535-006- -EMER FD PMP LIQUID END - RENEW |              | MJC: EXECJBI7 | Rev Date: 9/2/2011 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2             | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,500   | ManDays: 17       | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |                    |                   |         |

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|----------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-25535-006)PUMP LIQUID END COMPONENTS REQUIRE RENEWAL | OPEN, CLEAN AND INSPECT THE LIQUID END OF THE EMERGENCY FEED PUMP (RECIPROCATING). MEASURE AND RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. REPLACE PISTON, PISTON ROD, PISTON RINGS, AND CYLINDER LINER AS REQUIRED. ASSEMBLE LIQUID END USING NEW PACKING AND GASKETS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST |

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| Task/Abbreviation: Q-25535-007- -EMER FD PMP STM CHEST - RPR |  |              |  | MJC: EXECJBI8 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,500 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-25535-007)PUMP STEAM CHEST COMPONENTS REQUIRE REPAIR | DISASSEMBLE FEED PUMP STEAM VALVE CHEST. MEASURE AND RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF MAIN AND AUXILIARY PISTON VALVES, AND MAIN AND AUXILIARY CYLINDER LINERS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR WORN, SCORED OR PITTED PISTON VALVES AND CYLINDER LINERS AS REQUIRED. ASSEMBLE STEAM CHEST COMPONENTS USING NEW PISTON RINGS, PACKING AND GASKETS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST |

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| Task/Abbreviation: Q-25535-008- -EMER FD PMP STM CHEST - RENEW |  |              |  | MJC: EXECJBI9 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,500 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                          |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-25535-008)PUMP STEAM CHEST COMPONENTS REQUIRE RENEWAL | DISASSEMBLE THE EMERGENCY FEED PUMP STEAM VALVE CHEST. MEASURE AND RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. REPORT CONDITIONS FOUND TO THE NSA. REPLACE MAIN AND AUXILIARY PISTON VALVES AND MAIN AND AUXILIARY CYLINDER LINERS. ASSEMBLE STEAM CHEST COMPONENTS USING NEW PISTON RINGS, PACKING AND GASKETS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|----------------------------------------------------------------|--------------|---------------|------------------|-------------------|---------|
| Task/Abbreviation: Q-25535-009- -EMER FD PMP LIQ END VLVS-REPL |              | MJC: EXECJBJ0 | Rev Date:        |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,200 | ManDays: 8        | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 3        |                  |                   |         |

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| Reason:  | Problem Description:                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-25535-009)VALVE REQUIRES REPLACEMENT | DISASSEMBLE EMERGENCY FEED PUMP LIQUID END VALVE CHEST FOR ACCESS TO SUCTION AND DISCHARGE VALVES. DISASSEMBLE EACH SUCTION AND DISCHARGE VALVE. REASSEMBLE SUCTION AND DISCHARGE VALVES USING NEW DISCS, SPRINGS, STEMS, VALVE PLATES, AND GASKETS. REPLACE MISSING OR UNSERVICEABLE HARDWARE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST |

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| <b>Task/Abbreviation:</b> Q-25535-010- -EMER FD PMP VLV LINKAGE - RPR |  |                                   |  | <b>MJC:</b> EXECJBJ1 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N               |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                  |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                    |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,000                                                                                                                                                                                                                                        |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                   |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>       |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                   |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-25535-010)PUMP REQUIRES REPAIR |  |                      |  | DISASSEMBLE EMERGENCY FEED PUMP STEAM VALVE LINKAGE AND CROSSHEAD ASSEMBLY. REMOVE AND REPLACE KNUCKLE JOINT BUSHING, PEDESTAL BUSHING, AND LOWER LINK BUSHINGS. ADJUST THE PISTON STROKE OF THE PUMP AS REQUIRED. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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**Task/Abbreviation:** I-25535-011- -EMER FD AND XFR PMP - MRC A6YX**MJC:** EXECID16**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25535-011)THE EMERGENCY FEED AND  
TRANSFER PUMPS REQUIRES ASSESSMENT.ACCOMPLISH THE EMERGENCY FEED AND TRANSFER PUMPS  
ASSESSMENT IN ACCORDANCE WITH MRC A6YX AS FOLLOWS: 1.  
OPERATE PUMP BY STEAM/AIR. 2. LUBRICATE PINS OF VALVE  
OPERATING GEAR. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-25551-001- -MN CNDS PMP UNIT - INSP/TST |              |               | MJC: EXECI079 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 5        | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-25551-001)THE MAIN CONDENSATE PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE MAIN CONDENSATE CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-25551-003- -MN CNDS PMP - RPR |              |               | MJC: EXECQBK1    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 30       | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-25551-003)PUMP REQUIRES REPAIR | REPAIR THE MAIN CONDENSATE PUMP. DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. |



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| Task/Abbreviation: Q-25551-014- -MN CNDS PMP MOT-RWND |         |               | MJC: EXECJB91    |             | Rev Date: 9/2/2011 |
| RCM Analysis:                                         |         | Scheduled: N  | Sit Reqs:        | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                       | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,308 | ManDays: 28 | Alt No:            |
| Referenced Authority:                                 |         | Repair Pool:  | MCC: 3           |             |                    |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                  |
| BASELINE | (Q-25551-014)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE MAIN CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25551-015- -MN CNDS PMP MOT-RPR |                     |                      | <b>MJC:</b> EXECJB93  |                          | <b>Rev Date:</b> 9/2/2011 |
| <b>RCM Analysis:</b>                                        | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 4         | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                      | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 360 | <b>ManDays:</b> 17       | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                                                                                                                        |
| BASELINE       | (Q-25551-015)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE MAIN CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-25551-016- -MN CNDS PMP MOT BRG-REPL |              |               | MJC: EXECJB95  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 180 | ManDays: 4        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                    |
| BASELINE | (Q-25551-016)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE MAIN CONDENSATE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25551-017- -MN CNDS PMP MECH SEAL - REPL |                                             |                                                                                                                                                                                                               | MJC: EXECJBJ2    |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 |                                             | Scheduled: N                                                                                                                                                                                                  | Sit Reqs:        | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                               | Freq: 0                                     | Equip/Task: 1                                                                                                                                                                                                 | Matl Cost: 1,350 | ManDays: 6 | Alt No:            |
| Referenced Authority:                                         |                                             | Repair Pool:                                                                                                                                                                                                  | MCC: 3           |            |                    |
| Reason:                                                       | Problem Description:                        | Recommended Solution:                                                                                                                                                                                         |                  |            |                    |
| BASELINE                                                      | (Q-25551-017)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST |                  |            |                    |

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| Task/Abbreviation: Q-25551-018- -MN CNDS PMP WEAR RINGS-REPL |              |               | MJC: EXECJB3     |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 6        | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-25551-018)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-25551-019- -MN CNDS PMP RT ASSY - RPR**MJC:** EXECJB4**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,350**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25551-019)PUMP ROTATING ASSEMBLY  
REQUIRES REPAIRREMOVE THE PUMP SUCTION CASING. REMOVE ROTATING  
ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL  
COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER  
CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN  
MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.  
REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER  
TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE  
ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,  
BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-  
REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP  
ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: I-25551-026- -MN CNDS PMP VIB TST - MRC G1P1 |              |               | MJC: EXECIGA1 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25551-026)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-25552-001- -MN CNDS PMP UNIT - INSP/TST |              |               | MJC: EXECI080 |                   | Rev Date: 3/19/2008 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 5        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-25552-001)THE MAIN CONDENSATE PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE MAIN CONDENSATE CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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|----------------------------------------------------|--------------|---------------|------------------|-------------------|--------------------|
| Task/Abbreviation: Q-25552-003- -MN CNDS PMP - RPR |              |               | MJC: EXECQ182    |                   | Rev Date: 7/6/2006 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 30       | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-25552-003)PUMP REQUIRES REPAIR | REPAIR THE MAIN CONDENSATE PUMP. DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. |

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|-------------------------------------------------------|---------|---------------|------------------|-------------|-----------|-------------------|
| Task/Abbreviation: Q-25552-014- -MN CNDS PMP MOT-RWND |         |               | MJC: EXECJB92    |             | Rev Date: |                   |
| RCM Analysis:                                         |         | Scheduled: N  | Sit Reqs:        |             | Qty: 4    | Removal Required: |
| Lvl of Maint: 1                                       | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,308 | ManDays: 28 | Alt No:   |                   |
| Referenced Authority:                                 |         | Repair Pool:  | MCC: 3           |             |           |                   |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                  |
| BASELINE | (Q-25552-014)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE MAIN CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                      |  |              |  |               |  |                |  |                   |  |         |  |
|------------------------------------------------------|--|--------------|--|---------------|--|----------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-25552-015- -MN CNDS PMP MOT-RPR |  |              |  | MJC: EXECJB94 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 360 |  | ManDays: 17       |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                               |
| BASELINE | (Q-25552-015)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE MAIN CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25552-016- -MN CNDS PMP MOT BRG-REPL |  |                     |  | <b>MJC:</b> EXECJB96 |  | <b>Rev Date:</b>      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4         |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 180 |  | <b>ManDays:</b> 4        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                       |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                             |
| BASELINE       | (Q-25552-016)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE MAIN CONDENSATE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25552-017- -MN CNDS PMP MECH SEAL - REPL |  |                                             |  | <b>MJC:</b> EXECJBS2 |  | <b>Rev Date:</b>                                                                                                                                                                                              |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                 |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,350                                                                                                                                                                                       |  | <b>ManDays:</b> 6        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                               |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                       |  | <b>Problem Description:</b>                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                  |  |                          |  |                |  |
| BASELINE                                                             |  | (Q-25552-017)PUMP SEAL REQUIRES REPLACEMENT |  |                      |  | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST |  |                          |  |                |  |

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| Task/Abbreviation: Q-25552-018- -MN CNDS PMP WEAR RINGS-REPL |              |               | MJC: EXECJBS3    |                   | Rev Date: |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |           |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 6        | Alt No:   |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-25552-018)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25552-019- -MN CNDS PMP RT ASSY - RPR |         |               |                  | MJC: EXECJBS4 |         | Rev Date:         |  |
| RCM Analysis:                                              |         | Scheduled: N  | Sit Reqs:        |               | Qty: 4  | Removal Required: |  |
| Lvl of Maint: 1                                            | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 15   | Alt No: |                   |  |
| Referenced Authority:                                      |         | Repair Pool:  |                  | MCC: 3        |         |                   |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-25552-019)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25552-026- -MN CNDS PMP VIB TST - MRC G1P1 |              |               | MJC: EXECIGA2 |                   | Rev Date: 6/9/2006 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25552-026)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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**Task/Abbreviation:** I-25561-001- -AUX CNDS PMP UNIT - INSP/TST**MJC:** EXECI083**Rev Date:** 2/21/2008**RCM Analysis:**                      **Scheduled:** N                      **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25561-001)THE AUXILIARY CONDENSATE PUMP  
UNIT REQUIRES INSPECTIONINSPECT AND TEST THE AUXILIARY CONDENSATE CENTRIFUGAL  
PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE  
THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES.  
B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE  
TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E.  
RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS  
SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK  
REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-25561-003- -AUX CNDS PMP - RPR |              |               | MJC: EXECQ191    |                   | Rev Date: 7/12/2006 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 30       | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-25561-003)PUMP REQUIRES REPAIR | REPAIR AUXILIARY CONDENSATE PUMP. DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. |

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| Task/Abbreviation: Q-25561-010- -AUX CNDS PMP MOT-RWND |  |              |  | MJC: EXECJD59 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 408 |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                       |
| BASELINE | (Q-25561-010)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25561-011- -AUX CNDS PMP MOT-RPR |              |               | MJC: EXECJD64  |                   | Rev Date: |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 156 | ManDays: 7        | Alt No:   |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                    |
| BASELINE | (Q-25561-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-25561-012- -AUX CNDS PMP MOT BRG-REPL |              |               | MJC: EXECJD69 |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 78 | ManDays: 2        | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2        |                   |           |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                         |
| BASELINE | (Q-25561-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25561-013- -AUX CNDS PMP MECH SEAL - REPL |  |                                             |  | <b>MJC:</b> EXECJBS8 |  | <b>Rev Date:</b>                                                                                                                                                                                              |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                 |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 350                                                                                                                                                                                         |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                               |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                  |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-25561-013)PUMP SEAL REQUIRES REPLACEMENT |  |                      |  | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST |  |                          |  |                |  |

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|---------------------------------------------------------------|--|--------------|--|---------------|--|------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-25561-014- -AUX CNDS PMP WEAR RINGS-REPL |  |              |  | MJC: EXECJBS9 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,200 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-25561-014)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25561-015- -AUX CNDS PMP RT ASSY - RPR |  |              |  | MJC: EXECJBT0 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900 |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-25561-015)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. REPLACE SHAFT<br>SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE<br>IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY<br>BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW<br>GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD<br>POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO<br>PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL<br>TEST. |



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| Task/Abbreviation: I-25561-020- -AUX CNDS PMP VIB TST- MRC G1P1 |         |               | MJC: EXECIGA3 |            | Rev Date: 6/9/2006 |
| RCM Analysis: 7/12/2004                                         |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:  |
| Lvl of Maint: 3                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No:            |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3        |            |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25561-020)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-25562-001- -AUX CNDS PMP UNIT - INSP/TST |              |               | MJC: EXECI084 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2        |                   |                    |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-25562-001)THE AUXILIARY CONDENSATE PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE AUXILIARY CONDENSATE CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-25562-003- -AUX CNDS PMP - RPR |              |               | MJC: EXECQ195    |                   | Rev Date: 7/12/2006 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 30       | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-25562-003)PUMP REQUIRES REPAIR | REPAIR AUXILIARY CONDENSATE PUMP. DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. |

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| <b>Task/Abbreviation:</b> Q-25562-010- -AUX CNDS PMP MOT-RWND |  |                                                |  | <b>MJC:</b> EXECJD60 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                   |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N                            |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0                                 |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 408                                                                                                                                                       |  | <b>ManDays:</b> 15       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                                                |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                             |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                |  | <b>Problem Description:</b>                    |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                |  |                          |  |                |  |
| BASELINE                                                      |  | (Q-25562-010)ELECTRIC MOTOR REQUIRES REWINDING |  |                      |  | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-25562-011- -AUX CNDS PMP MOT-RPR |              |               | MJC: EXECJD65  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 156 | ManDays: 7        | Alt No:            |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                    |
| BASELINE | (Q-25562-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25562-012- -AUX CNDS PMP MOT BRG-REPL |                     |                      | <b>MJC:</b> EXECJD70 |                          | <b>Rev Date:</b> 9/2/2011 |
| <b>RCM Analysis:</b>                                              | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 4        | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                            | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 78 | <b>ManDays:</b> 2        | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                      |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 2        |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                  |
| BASELINE       | (Q-25562-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25562-013- -AUX CNDS PMP MECH SEAL - REPL |  |                                             |  | <b>MJC:</b> EXECJBT4 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                     |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                 |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 350                                                                                                                                                                                         |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                               |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                  |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-25562-013)PUMP SEAL REQUIRES REPLACEMENT |  |                      |  | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST |  |                          |  |                |  |

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| Task/Abbreviation: Q-25562-014- -AUX CNDS PMP WEAR RINGS-REPL |  |              |  | MJC: EXECJBT5 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,200   |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-25562-014)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-25562-015- -AUX CNDS PMP RT ASSY - RPR |  |              |  | MJC: EXECJBT6 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900 |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-25562-015)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. REPLACE SHAFT<br>SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE<br>IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY<br>BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW<br>GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD<br>POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO<br>PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL<br>TEST. |

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| Task/Abbreviation: I-25562-020- -AUX CNDS PMP VIB TST- MRC G1P1 |              |               | MJC: EXECIGA4 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25562-020)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-25563-001- -AUX CNDS PMP UNIT - INSP/TST**MJC:** EXECI085**Rev Date:** 9/2/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25563-001)THE AUXILIARY CONDENSATE PUMP  
UNIT REQUIRES INSPECTIONINSPECT AND TEST THE AUXILIARY CONDENSATE CENTRIFUGAL  
PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE  
THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES.  
B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE  
TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E.  
RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS  
SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK  
REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-25563-003- -AUX CNDS PMP - RPR**MJC:** EXECQ199**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,350**ManDays:** 30**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25563-003)PUMP REQUIRES REPAIR

REPAIR AUXILIARY CONDENSATE PUMP. DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS.

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| <b>Task/Abbreviation:</b> Q-25563-010- -AUX CNDS PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJD61 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 408     |  | <b>ManDays:</b> 15       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                |
| BASELINE       | (Q-25563-010)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25563-011- -AUX CNDS PMP MOT-RPR |              |               | MJC: EXECJD66  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 156 | ManDays: 7        | Alt No:            |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                    |
| BASELINE | (Q-25563-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25563-012- -AUX CNDS PMP MOT BRG-REPL |                     |                      | <b>MJC:</b> EXECJD71 |                          | <b>Rev Date:</b> 9/2/2011 |
| <b>RCM Analysis:</b>                                              | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 4        | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                            | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 78 | <b>ManDays:</b> 2        | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                      |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 2        |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                  |
| BASELINE       | (Q-25563-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25563-013- -AUX CNDS PMP MECH SEAL - REPL |              |               | MJC: EXECJBU0  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 350 | ManDays: 3        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                         |
| BASELINE | (Q-25563-013)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST |



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| Task/Abbreviation: Q-25563-014- -AUX CNDS PMP WEAR RINGS-REPL |              |               | MJC: EXECJBU1    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,200 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-25563-014)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25563-015- -AUX CNDS PMP RT ASSY - RPR |         |               |                | MJC: EXECJBU2 |         | Rev Date: 9/2/2011 |  |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:      |               | Qty: 4  | Removal Required:  |  |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20   | Alt No: |                    |  |
| Referenced Authority:                                       |         | Repair Pool:  |                | MCC: 2        |         |                    |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-25563-015)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. REPLACE SHAFT<br>SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE<br>IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY<br>BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW<br>GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD<br>POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO<br>PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL<br>TEST. |

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| Task/Abbreviation: I-25563-020- -AUX CNDS PMP VIB TST- MRC G1P1 |         |               | MJC: EXECIGA5 |            | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                         |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:  |
| Lvl of Maint: 3                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No:            |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3        |            |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25563-020)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-25564-001- -AUX CNDS PMP UNIT - INSP/TST**MJC:** EXECI086**Rev Date:** 9/2/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:** **Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25564-001)THE AUXILIARY CONDENSATE PUMP  
UNIT REQUIRES INSPECTIONINSPECT AND TEST THE AUXILIARY CONDENSATE CENTRIFUGAL  
PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE  
THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES.  
B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE  
TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E.  
RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS  
SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK  
REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-25564-003- -AUX CNDS PMP - RPR**MJC:** EXECQ203**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,350**ManDays:** 30**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25564-003)PUMP REQUIRES REPAIR

REPAIR AUXILIARY CONDENSATE PUMP. DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS.

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| <b>Task/Abbreviation:</b> Q-25564-010- -AUX CNDS PMP MOT-RWND |  |                                                |  | <b>MJC:</b> EXECJD62 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                   |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N                            |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0                                 |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 408                                                                                                                                                       |  | <b>ManDays:</b> 15       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                                                |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                             |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                |  | <b>Problem Description:</b>                    |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                |  |                          |  |                |  |
| BASELINE                                                      |  | (Q-25564-010)ELECTRIC MOTOR REQUIRES REWINDING |  |                      |  | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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|-------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-25564-011- -AUX CNDS PMP MOT-RPR |              |               | MJC: EXECJD67  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 156 | ManDays: 7        | Alt No:            |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                    |
| BASELINE | (Q-25564-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25564-012- -AUX CNDS PMP MOT BRG-REPL |                |                      | <b>MJC:</b> EXECJD72 |                   | <b>Rev Date:</b> 9/2/2011 |
| <b>RCM Analysis:</b>                                              |                | <b>Scheduled:</b> N  | <b>Sit Reqs:</b>     | <b>Qty:</b> 4     | <b>Removal Required:</b>  |
| <b>Lvl of Maint:</b> 1                                            | <b>Freq:</b> 0 | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 78 | <b>ManDays:</b> 2 | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                      |                | <b>Repair Pool:</b>  | <b>MCC:</b> 2        |                   |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                  |
| BASELINE       | (Q-25564-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CONDENSATE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-25564-013- -AUX CNDS PMP MECH SEAL - REPL |  |                                             |  | <b>MJC:</b> EXECJBU6 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                     |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                 |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 350                                                                                                                                                                                         |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                               |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                  |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-25564-013)PUMP SEAL REQUIRES REPLACEMENT |  |                      |  | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST |  |                          |  |                |  |

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| Task/Abbreviation: Q-25564-014- -AUX CNDS PMP WEAR RINGS-REPL |              |               | MJC: EXECJBU7    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,200 | ManDays: 10       | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-25564-014)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25564-015- -AUX CNDS PMP RT ASSY - RPR |              |               | MJC: EXECJBU8  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-25564-015)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. REPLACE SHAFT<br>SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE<br>IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY<br>BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW<br>GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD<br>POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO<br>PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL<br>TEST. |

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| Task/Abbreviation: I-25564-020- -AUX CNDS PMP VIB TST- MRC G1P1 |              |               | MJC: EXECIGA6 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25564-020)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-25571-001- -DEAERATING FD TK - INSP/RPR**MJC:** EXECI087**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25571-001)THE DEAERATING FEED TANK  
REQUIRES INSPECTION AND REPAIRINSPECT AND REPAIR THE DEAERATING FEED TANK, AS FOLLOWS:  
A. OPEN TANK FOR INTERNAL EXAMINATION. B. REMOVE RELIEF  
VALVE AND SHIP TO SHOP FOR INSPECTION: 1. VERIFY LIFTING  
PRESSURE AND ADJUST AS REQUIRED. 2. VERIFY CONDITION OF  
VALVE AND VALVE SEAT SEATING SURFACES. C. REMOVE SPRAY  
VALVES TO SHOP AND VERIFY SPRAY PATTERNS. D. TEST VACUUM  
BREAKER AND REPLACE IF DEFECTIVE. E. REINSTALL  
COMPONENTS USING NEW GASKETS, JOINT SEALING COMPOUND  
AND REPLACE UNSERVICEABLE FASTENERS. F. CONDUCT SHEAR  
WAVE ULTRASONIC INSPECTION OF THE DFT. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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| Task/Abbreviation: I-25571-002- -DEAERATING FD TK EXT- MRC A4V4 |              |               | MJC: EXECIJ11 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                               |
| BASELINE | (I-25571-002) DEAERATING FEED TANK EXTERIOR REQUIRES INSPECTION. | ACCOMPLISH DEAERATING FEED TANK ASSESSMENT IN ACCORDANCE WITH MRC A4V4 AS FOLLOWS: 1. INSPECT DEAERATING FEED TANK EXTERIOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-25572-001- -DEAERATING FD TK - INSP/RPR**MJC:** EXECI088**Rev Date:** 9/2/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 450 **ManDays:** 10 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-25572-001)THE DEAERATING FEED TANK  
REQUIRES INSPECTION AND REPAIR**Recommended Solution:**INSPECT AND REPAIR THE DEAERATING FEED TANK, AS FOLLOWS:  
A. OPEN TANK FOR INTERNAL EXAMINATION. B. REMOVE RELIEF  
VALVE AND SHIP TO SHOP FOR INSPECTION: 1. VERIFY LIFTING  
PRESSURE AND ADJUST AS REQUIRED. 2. VERIFY CONDITION OF  
VALVE AND VALVE SEAT SEATING SURFACES. C. REMOVE SPRAY  
VALVES TO SHOP AND VERIFY SPRAY PATTERNS. D. TEST VACUUM  
BREAKER AND REPLACE IF DEFECTIVE. E. REINSTALL  
COMPONENTS USING NEW GASKETS, JOINT SEALING COMPOUND  
AND REPLACE UNSERVICEABLE FASTENERS. F. CONDUCT SHEAR  
WAVE ULTRASONIC INSPECTION OF THE DFT. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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|-----------------------------------------------------------------|---------|---------------|---------------|------------|--------------------|
| Task/Abbreviation: I-25572-002- -DEAERATING FD TK EXT- MRC A4V4 |         |               | MJC: EXECIJ12 |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:     | Qty: 2     | Removal Required:  |
| Lvl of Maint: 3                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 3 | Alt No:            |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3        |            |                    |

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|----------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                               |
| BASELINE | (I-25572-002) DEAERATING FEED TANK EXTERIOR REQUIRES INSPECTION. | ACCOMPLISH DEAERATING FEED TANK ASSESSMENT IN ACCORDANCE WITH MRC A4V4 AS FOLLOWS: 1. INSPECT DEAERATING FEED TANK EXTERIOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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|-----------------------------------------------------------------|--------------|---------------|------------------|-------------------|--------------------|
| Task/Abbreviation: I-25611-001- -(M)CIRC CLG SW EXP JOINTS-INSP |              |               | MJC: EXECM099    |                   | Rev Date: 2/4/2005 |
| RCM Analysis:                                                   | Scheduled: Y | Sit Reqs:     | Qty: X           | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 60     | Equip/Task: X | Matl Cost: 1,000 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-25611-001)NSTM REQUIREMENT DUE | IAW NSTM CH-505, PARA, 505-3.3.7, INSPECT THE RUBBER EXPANSION JOINTS OF THE CIRCULATING AND COOLING SEA WATER PIPING SYSTEM. INSPECT INTERNALLY FOR CUTS, GOUGES AND DEFECTS AS FOLLOWS: A. FOR SMALLER DIAMETER JOINTS (16" AND UNDER) - REMOVE AND INSPECT RUBBER EXPANSION JOINTS. REPORT CONDITIONS FOUND TO THE NSA. REPLACE WITH NEW ONES IF FOUND DEFECTIVE. B. FOR LARGER DIAMETER JOINTS (SUCH AS THOSE FOUND IN CONDENSER PIPING) - CHECK FROM INSIDE THE CONDENSER HEAD. REPLACE WITH NEW IF FOUND DEFECTIVE. C. REPLACE MAIN AND AUXILIARY CIRCULATING SYSTEM RUBBER EXPANSION JOINTS THAT HAVE EXCEEDED 120 MONTHS FROM DATE OF INSTALLATION. D. REALIGN JOINTS THAT FAIL ALIGNMENT IN ACCORDANCE WITH APPLICABLE TECHNICAL MANUAL. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|--------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: I-25611-008- -CIRC & CLG SW PP - UT |              |               | MJC: EXECI466  |                   | Rev Date: 2/25/2003 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: |                     |
| Lvl of Maint: 2                                        | Freq: 0      | Equip/Task: X | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-25611-008)THE MAIN CIRCULATING AND COOLING SEA WATER PIPING REQUIRES ULTRASONIC TESTING | ULTRASONICALLY-TEST THE MAIN CIRCULATING AND COOLING SEA WATER PIPING AS FOLLOWS: A. CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES (90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. C. PRESERVE DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. ULTRASONIC TESTING NOT REQUIRED ON MONEL PIPING. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-25612-001- -(M)CIRC CLG SW EXP JOINTS-INSP**MJC:** EXECM100**Rev Date:** 2/4/2005**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 60**Equip/Task:** X**Matl Cost:** 1,000**ManDays:** 9**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25612-001)NSTM REQUIREMENT DUE

IAW NSTM CH-505, PARA, 505-3.3.7, INSPECT THE RUBBER EXPANSION JOINTS OF THE CIRCULATING AND COOLING SEA WATER PIPING SYSTEM. INSPECT INTERNALLY FOR CUTS, GOUGES AND DEFECTS AS FOLLOWS: A. FOR SMALLER DIAMETER JOINTS (16" AND UNDER) - REMOVE AND INSPECT RUBBER EXPANSION JOINTS. REPORT CONDITIONS FOUND TO THE NSA. REPLACE WITH NEW ONES IF FOUND DEFECTIVE. B. FOR LARGER DIAMETER JOINTS (SUCH AS THOSE FOUND IN CONDENSER PIPING) - CHECK FROM INSIDE THE CONDENSER HEAD. REPLACE WITH NEW IF FOUND DEFECTIVE. C. REPLACE MAIN AND AUXILIARY CIRCULATING SYSTEM RUBBER EXPANSION JOINTS THAT HAVE EXCEEDED 120 MONTHS FROM DATE OF INSTALLATION. D. REALIGN JOINTS THAT FAIL ALIGNMENT IN ACCORDANCE WITH APPLICABLE TECHNICAL MANUAL. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-25612-008- -CIRC & CLG SW PP - UT**MJC:** EXECI467**Rev Date:** 2/25/2003**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** X**Matl Cost:** 450**ManDays:** 9**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25612-008)THE MAIN CIRCULATING AND COOLING  
SEA WATER PIPING REQUIRES ULTRASONIC  
TESTINGULTRASONICALLY-TEST THE MAIN CIRCULATING AND COOLING SEA  
WATER PIPING AS FOLLOWS: A. CLEAN PIPING TO BARE METAL AT  
AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH  
SELECTED AREA, NINETY DEGREES (90 DEGS) APART IN THE  
FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE  
RADIUS). 2. AREAS ADJACENT TO HANGERS AND EXTERNAL  
CORROSION. C. PRESERVE DISTURBED PIPING AREAS. D. REPORT  
CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. ULTRASONIC  
TESTING NOT REQUIRED ON MONEL PIPING. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** Q-25621-012- -MN CIRC PMP - RPR**MJC:** EXECQ810**Rev Date:** 7/12/2006**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 3,150**ManDays:** 70**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25621-012)PUMP REQUIRES REPAIR

REPAIR THE MAIN CIRC PUMP (PROPELLER TYPE). DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. MEASURE AND RECORD AS-FOUND RUNNING CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND PUMP SHAFT SLEEVE. REPORT CONDITIONS FOUND TO THE NSA. A. RESURFACE AND MACHINE SHAFT JOURNALS. B. REPLACE PUMP SHAFT. C. REPLACE PUMP SHAFT SLEEVES. D. REPLACE PROPELLER. E. MACHINE AND FIT WEARING RINGS. F. DYNAMICALLY BALANCE ROTATING ASSEMBLY. G. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTH COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. MACHINE COUPLING FACE AND/OR REPLACE COUPLING. J. MACHINE PUMP CASING MOUNTING FLANGE FACE. REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, MECHANICAL SEALS OR PACKING. MEASURE AND RECORD POST REPAIR RUNNING CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TEST.

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| <b>Task/Abbreviation:</b> Q-25621-018- -MN CIRC PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJB97 |  | <b>Rev Date:</b> 5/24/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 4,860    |  | <b>ManDays:</b> 77       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                            |
| BASELINE       | (Q-25621-018)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE MAIN CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25621-019- -MN CIRC PMP MOT-RPR |  |                     |  | <b>MJC:</b> EXECJB99 |  | <b>Rev Date:</b> 5/24/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                        |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                      |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 540      |  | <b>ManDays:</b> 47       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                                                                                                                         |
| BASELINE       | (Q-25621-019)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE MAIN CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25621-020- -MN CIRC PMP MOT BRG-REPL |  |                     |  | <b>MJC:</b> EXECJC01 |  | <b>Rev Date:</b> 5/24/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 270      |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                              |
| BASELINE       | (Q-25621-020)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE MAIN CIRCULATING PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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**Task/Abbreviation:** Q-25621-028- -MN CIRC PMP ROTATING ASSY-RPR**MJC:** EXECJBW1**Rev Date:** 5/24/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** 1**Matl Cost:** 3,150**ManDays:** 63**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25621-028)PUMP ROTATING ASSEMBLY  
REQUIRES REPAIRREPAIR CIRCULATING PUMP (PROPELLER TYPE) ROTATING  
ASSEMBLY. OPEN PUMP CASING. REMOVE THE PUMP ROTATING  
ASSEMBLY TO THE SHOP. CLEAN & INSPECT ALL COMPONENTS.  
MEASURE & RECORD AS-FOUND RUNNING CLEARANCES &  
RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT & PUMP SHAFT  
SLEEVE. REPORT CONDITIONS FOUND TO THE NSA. A. RESURFACE  
AND MACHINE SHAFT JOURNALS. B. REPLACE PUMP SHAFT. C.  
REPLACE PUMP SHAFT SLEEVES. D. REPLACE PROPELLER. E.  
DYNAMICALLY BALANCE ROTATING ASSEMBLY. ASSEMBLE UNIT  
USING NEW BEARINGS, GASKETS, MECHANICAL SEALS OR PACKING  
& WEARING RINGS. MEASURE & RECORD POST-REPAIR RUNNING  
CLEARANCES & RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A  
SATISFACTORY OPERATIONAL TEST.

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| <b>Task/Abbreviation:</b> Q-25621-029- -MN CIRC PMP ROTATING ASSY-REPL |  |                     |  | <b>MJC:</b> EXECJBW2 |  | <b>Rev Date:</b> 5/24/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 3,150    |  | <b>ManDays:</b> 14       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                 | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE       | (Q-25621-029)PUMP ROTATING ASSEMBLY<br>REQUIRES REPLACEMENT | OPEN PUMP CASING. REMOVE THE PUMP ROTATING ASSEMBLY.<br>REPLACE THE PUMP ROTATING ASSEMBLY WITH NEW<br>COMPONENTS. DYNAMICALLY BALANCE ROTATING ASSEMBLY.<br>ASSEMBLE UNIT USING NEW BEARINGS, GASKETS, MECHANICAL<br>SEALS OR PACKING & WEARING RINGS. MEASURE & RECORD<br>POST-REPAIR RUNNING CLEARANCES & RUNOUTS. ALIGN DRIVER<br>TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-25621-030- -CIRC PMP MOT/CONT - MRC G1A1**MJC:** EXECI580**Rev Date:** 6/21/2005**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-25621-030)THE CIRCULATING AND COOLING SEAWATER PUMP MOTOR AND CONTROLLER REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE CIRCULATING AND COOLING SEAWATER PUMP MOTOR AND CONTROLLER ASSESSMENT IN ACCORDANCE WITH MRC G1A1 AS FOLLOWS: 1. INSPECT MOTOR AND CONTROLLER. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-25621-044- -MN CIRC PMP VIB TST - MRC G1P1 |  |              | MJC: EXECIGA8 |               | Rev Date: 6/15/2006 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                         |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                 |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                           |  |              |               | Repair Pool:  |                     |            | MCC: 3            |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25621-044)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-25622-012- -MN CIRC PMP - RPR**MJC:** EXECQ981**Rev Date:** 7/12/2006**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 3,150**ManDays:** 70**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-25622-012)PUMP REQUIRES REPAIR

REPAIR THE MAIN CIRC PUMP (PROPELLER TYPE). DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. MEASURE AND RECORD AS-FOUND RUNNING CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND PUMP SHAFT SLEEVE. REPORT CONDITIONS FOUND TO THE NSA. A. RESURFACE AND MACHINE SHAFT JOURNALS. B. REPLACE PUMP SHAFT. C. REPLACE PUMP SHAFT SLEEVES. D. REPLACE PROPELLER. E. MACHINE AND FIT WEARING RINGS. F. DYNAMICALLY BALANCE ROTATING ASSEMBLY. G. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTH COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. MACHINE COUPLING FACE AND/OR REPLACE COUPLING. J. MACHINE PUMP CASING MOUNTING FLANGE FACE. REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, MECHANICAL SEALS OR PACKING. MEASURE AND RECORD POST REPAIR RUNNING CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TEST.

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|-------------------------------------------------------|--|--------------|--|---------------|--|---------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-25622-017- -MN CIRC PMP MOT-RWND |  |              |  | MJC: EXECJB98 |  | Rev Date: 5/24/2005 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 4,860    |  | ManDays: 77       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                   |
| BASELINE | (Q-25622-017)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE MAIN CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25622-018- -MN CIRC PMP MOT-RPR |  |              |  | MJC: EXECJC00 |  | Rev Date: 5/24/2005 |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 540      |  | ManDays: 47       |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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|----------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                |
| BASELINE | (Q-25622-018)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE MAIN CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25622-019- -MN CIRC PMP MOT BRG-REPL |  |                     |  | <b>MJC:</b> EXECJC02 |  | <b>Rev Date:</b> 5/24/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 270      |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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|----------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                              |
| BASELINE       | (Q-25622-019)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE MAIN CIRCULATING PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-25622-024- -MN CIRC PMP ROTATING ASSY-RPR |              |               | MJC: EXECJBW7    |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 2                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,150 | ManDays: 63       | Alt No:             |
| Referenced Authority:                                          | Repair Pool: | MCC: 3        |                  |                   |                     |

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|----------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-25622-024)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | OPEN PUMP CASING. REMOVE THE PUMP ROTATING ASSEMBLY TO THE SHOP. CLEAN & INSPECT ALL COMPONENTS. MEASURE & RECORD AS-FOUND RUNNING CLEARANCES & RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT & PUMP SHAFT SLEEVE. REPORT CONDITIONS FOUND TO THE NSA. A. RESURFACE AND MACHINE SHAFT JOURNALS. B. REPLACE PUMP SHAFT. C. REPLACE PUMP SHAFT SLEEVES. D. REPLACE PROPELLER. E. DYNAMICALLY BALANCE ROTATING ASSEMBLY. ASSEMBLE UNIT USING NEW BEARINGS, GASKETS, MECHANICAL SEALS OR PACKING & WEARING RINGS. MEASURE & RECORD POST-REPAIR RUNNING CLEARANCES & RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25622-025- -MN CIRC PMP ROTATING ASSY-REPL |  |                     |  | <b>MJC:</b> EXECJBW8 |  | <b>Rev Date:</b> 5/24/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 3,150    |  | <b>ManDays:</b> 14       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                 | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE       | (Q-25622-025)PUMP ROTATING ASSEMBLY<br>REQUIRES REPLACEMENT | OPEN PUMP CASING. REMOVE THE PUMP ROTATING ASSEMBLY.<br>REPLACE THE PUMP ROTATING ASSEMBLY WITH NEW<br>COMPONENTS. DYNAMICALLY BALANCE ROTATING ASSEMBLY.<br>ASSEMBLE UNIT USING NEW BEARINGS, GASKETS, MECHANICAL<br>SEALS OR PACKING & WEARING RINGS. MEASURE & RECORD<br>POST-REPAIR RUNNING CLEARANCES & RUNOUTS. ALIGN DRIVER<br>TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-25622-026- -CIRC PMP MOT/CONT - MRC G1A1**MJC:** EXECI591**Rev Date:** 6/21/2005**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-25622-026)THE CIRCULATING AND COOLING SEAWATER PUMP MOTOR AND CONTROLLER REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE CIRCULATING AND COOLING SEAWATER PUMP MOTOR AND CONTROLLER ASSESSMENT IN ACCORDANCE WITH MRC G1A1 AS FOLLOWS: 1. INSPECT MOTOR AND CONTROLLER. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|-----------------------------------------------------------------|--|--------------|---------------|---------------|---------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-25622-039- -MN CIRC PMP VIB TST - MRC G1P1 |  |              | MJC: EXECIGA9 |               | Rev Date: 6/15/2006 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                         |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                 |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                           |  |              |               | Repair Pool:  |                     |            | MCC: 3            |            |         |  |

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|----------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25622-039)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-25631-001- -AUX CIRC PMP UNIT - INSP |              |               | MJC: EXECI091 |                   | Rev Date: 2/21/2008 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                     |
| Lvl of Maint: 2                                           | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-25631-001)THE AUXILIARY CIRCULATING PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE AUXILIARY CIRCULATING CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-25631-005- -AUX CIRC PMP - RPR |              |               | MJC: EXECQ223  |                   | Rev Date: 7/12/2006 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 2                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-25631-005)PUMP REQUIRES REPAIR | REPAIR AUXILIARY CIRCULATING PUMP. OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25631-010- -AUX CIRC PMP MOT-RWND |  |                                                |  | <b>MJC:</b> EXECJD74 |  | <b>Rev Date:</b> 5/24/2005                                                                                                                                                   |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N                            |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0                                 |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,472                                                                                                                                                      |  | <b>ManDays:</b> 30       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                                                |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                              |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                |  | <b>Problem Description:</b>                    |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                 |  |                          |  |                |  |
| BASELINE                                                      |  | (Q-25631-010)ELECTRIC MOTOR REQUIRES REWINDING |  |                      |  | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-25631-011- -AUX CIRC PMP MOT-RPR |  |                     |  | <b>MJC:</b> EXECJD79 |  | <b>Rev Date:</b> 5/24/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 396      |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                                                                                                                            |
| BASELINE       | (Q-25631-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 300-50 FOR GUIDANCE IN DEVELOPING SPEC. |



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| <b>Task/Abbreviation:</b> Q-25631-012- -AUX CIRC PMP MOT BRG-REPL |  |                     |  | <b>MJC:</b> EXECJD84 |  | <b>Rev Date:</b> 5/24/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 198      |  | <b>ManDays:</b> 4        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                   |
| BASELINE       | (Q-25631-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25631-013- -AUX CIRC PMP MECH SEAL - REPL |              |               | MJC: EXECJBJ9  |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 2                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 2        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                          |
| BASELINE | (Q-25631-013)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP (CLOSE COUPLED) MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25631-014- -AUX CIRC PMP WEAR RINGS - REPL |              |               | MJC: EXECJBK0  |                   | Rev Date: 3/22/2010 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 5        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25631-014)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25631-015- -AUX CIRC PMP ROTATING ASSY-RPR |              |               | MJC: EXECJBK1  |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 6        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-25631-015)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE<br>ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25631-020- -AUX SW PMP VIB TST - MRC G1P1 |              |               | MJC: EXECIGB0 |                   | Rev Date: 6/9/2006 |
| RCM Analysis: 7/12/2004                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25631-020)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-25632-001- -AUX CIRC PMP UNIT - INSP |              |               | MJC: EXECI092 |                   | Rev Date: 2/21/2008 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                     |
| Lvl of Maint: 2                                           | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-25632-001)THE AUXILIARY CIRCULATING PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE AUXILIARY CIRCULATING CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-25632-005- -AUX CIRC PMP - RPR |              |               | MJC: EXECQ226  |                   | Rev Date: 7/12/2006 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 2                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-25632-005)PUMP REQUIRES REPAIR | REPAIR AUXILIARY CIRCULATING PUMP. OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25632-010- -AUX CIRC PMP MOT-RWND |  |                                                |  | <b>MJC:</b> EXECJD75 |  | <b>Rev Date:</b> 5/24/2005                                                                                                                                                   |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N                            |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0                                 |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,472                                                                                                                                                      |  | <b>ManDays:</b> 30       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                                                |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                              |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                |  | <b>Problem Description:</b>                    |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                 |  |                          |  |                |  |
| BASELINE                                                      |  | (Q-25632-010)ELECTRIC MOTOR REQUIRES REWINDING |  |                      |  | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |



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| Task/Abbreviation: Q-25632-011- -AUX CIRC PMP MOT-RPR |              |               | MJC: EXECJD80  |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 396 | ManDays: 20       | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                   |
| BASELINE | (Q-25632-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 300-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25632-012- -AUX CIRC PMP MOT BRG-REPL |                     |                      | <b>MJC:</b> EXECJD85  |                          | <b>Rev Date:</b> 5/24/2005 |
| <b>RCM Analysis:</b>                                              | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 4         | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 1                                            | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 198 | <b>ManDays:</b> 4        | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                      |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 2         |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                   |
| BASELINE       | (Q-25632-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25632-016- -AUX CIRC PMP MECH SEAL - REPL |              | MJC: EXECJBX5 | Rev Date: 5/25/2005 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4              | Removal Required: |         |
| Lvl of Maint: 2                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 675      | ManDays: 2        | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 2        |                     |                   |         |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                          |
| BASELINE | (Q-25632-016)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP (CLOSE COUPLED) MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25632-017- -AUX CIRC PMP WEAR RINGS - REPL |              |               | MJC: EXECJBX6  |                   | Rev Date: 5/25/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 5        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25632-017)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25632-018- -AUX CIRC PMP ROTATING ASSY-RPR |  |                     |  | <b>MJC:</b> EXECJBX7 |  | <b>Rev Date:</b> 5/25/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675      |  | <b>ManDays:</b> 6        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE       | (Q-25632-018)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE<br>ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25632-020- -AUX SW PMP VIB TST - MRC G1P1 |  |              | MJC: EXECIGB1 |               | Rev Date: 6/9/2006 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                        |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                          |  |              |               | Repair Pool:  |                    |            | MCC: 3            |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25632-020)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-25633-001- -AUX CIRC PMP UNIT - INSP**MJC:** EXECI093**Rev Date:** 2/21/2008**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-25633-001)THE AUXILIARY CIRCULATING PUMP  
UNIT REQUIRES INSPECTIONINSPECT AND TEST THE AUXILIARY CIRCULATING CENTRIFUGAL  
PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE  
THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES.  
B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE  
TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E.  
RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS  
SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK  
REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-25633-005- -AUX CIRC PMP - RPR |              |               | MJC: EXECQ229  |                   | Rev Date: 7/12/2006 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 2                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-25633-005)PUMP REQUIRES REPAIR | REPAIR AUXILIARY CIRCULATING PUMP. OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-25633-010- -AUX CIRC PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJD76 |  | <b>Rev Date:</b> 5/25/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,472    |  | <b>ManDays:</b> 30       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                 |
| BASELINE       | (Q-25633-010)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25633-011- -AUX CIRC PMP MOT-RPR |              |               | MJC: EXECJD81  |                   | Rev Date: 5/25/2005 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 396 | ManDays: 20       | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                   |
| BASELINE | (Q-25633-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 300-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25633-012- -AUX CIRC PMP MOT BRG-REPL |  |                     |  | <b>MJC:</b> EXECJD86 |  | <b>Rev Date:</b> 5/25/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 198      |  | <b>ManDays:</b> 4        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                   |
| BASELINE       | (Q-25633-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25633-016- -AUX CIRC PMP MECH SEAL - REPL |              | MJC: EXECJBY1 | Rev Date: 5/25/2005 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4              | Removal Required: |         |
| Lvl of Maint: 2                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 675      | ManDays: 2        | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 2        |                     |                   |         |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                          |
| BASELINE | (Q-25633-016)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP (CLOSE COUPLED) MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25633-017- -AUX CIRC PMP WEAR RINGS - REPL |  |              |  | MJC: EXECJBY2 |  | Rev Date: 5/25/2005 |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4              |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 675      |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25633-017)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25633-018- -AUX CIRC PMP ROTATING ASSY-RPR |  |              |  | MJC: EXECJBY3 |  | Rev Date: 5/25/2005 |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4              |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 675      |  | ManDays: 6        |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-25633-018)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE<br>ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25633-020- -AUX SW PMP VIB TST - MRC G1P1 |  |              | MJC: EXECIGB2 |               | Rev Date: 6/9/2006 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                        |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                          |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25633-020)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-25634-001- -AUX CIRC PMP UNIT - INSP |              |               | MJC: EXECI094 |                   | Rev Date: 2/21/2008 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                     |
| Lvl of Maint: 2                                           | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-25634-001)THE AUXILIARY CIRCULATING PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE AUXILIARY CIRCULATING CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: Q-25634-005- -AUX CIRC PMP - RPR |              |               | MJC: EXECQ232  |                   | Rev Date: 7/12/2006 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 2                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-25634-005)PUMP REQUIRES REPAIR | REPAIR AUXILIARY CIRCULATING PUMP. OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-25634-010- -AUX CIRC PMP MOT-RWND |  |                                                |  | <b>MJC:</b> EXECJD77 |  | <b>Rev Date:</b> 5/25/2005                                                                                                                                                   |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N                            |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0                                 |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,472                                                                                                                                                      |  | <b>ManDays:</b> 30       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                                                |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                              |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                |  | <b>Problem Description:</b>                    |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                 |  |                          |  |                |  |
| BASELINE                                                      |  | (Q-25634-010)ELECTRIC MOTOR REQUIRES REWINDING |  |                      |  | REWIND THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-25634-011- -AUX CIRC PMP MOT-RPR |              |               | MJC: EXECJD82  |                   | Rev Date: 5/25/2005 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 396 | ManDays: 20       | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                   |
| BASELINE | (Q-25634-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 300-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-25634-012- -AUX CIRC PMP MOT BRG-REPL |  |                     |  | <b>MJC:</b> EXECJD87 |  | <b>Rev Date:</b> 5/25/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 198      |  | <b>ManDays:</b> 4        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                   |
| BASELINE       | (Q-25634-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AUXILIARY CIRCULATING PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-25634-016- -AUX CIRC PMP MECH SEAL - REPL |              | MJC: EXECJBY7 | Rev Date: 5/25/2005 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4              | Removal Required: |         |
| Lvl of Maint: 2                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 675      | ManDays: 2        | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 2        |                     |                   |         |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                          |
| BASELINE | (Q-25634-016)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP (CLOSE COUPLED) MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

|                                                                 |              |               |                |                   |                     |
|-----------------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-25634-017- -AUX CIRC PMP WEAR RINGS - REPL |              |               | MJC: EXECJBY8  |                   | Rev Date: 5/25/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 5        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2         |                   |                     |

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|----------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-25634-017)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-25634-018- -AUX CIRC PMP ROTATING ASSY-RPR |              |               | MJC: EXECJBY9  |                   | Rev Date: 5/25/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 6        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2         |                   |                     |

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|----------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-25634-018)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE<br>ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-25634-020- -AUX SW PMP VIB TST - MRC G1P1 |  |              | MJC: EXECIGB3 |               | Rev Date: 6/9/2006 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                        |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                          |  |              |               | Repair Pool:  |                    |            | MCC: 3            |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-25634-020)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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|----------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: I-25811-002- -HP STM DR PP - UT |              |               | MJC: EXECI468  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: |                    |
| Lvl of Maint: 2                                    | Freq: 0      | Equip/Task: X | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-25811-002)THE HP STEAM DRAIN PIPING REQUIRES ULTRASONIC TESTING | ULTRASONICALLY-TEST THE HP STEAM DRAIN PIPING AS FOLLOWS:<br>A. CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES (90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. C. PRESERVE DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. ULTRASONIC TESTING NOT REQUIRED ON MONEL PIPING. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|----------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: I-25812-002- -HP STM DR PP - UT |              |               | MJC: EXECI469  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: |                    |
| Lvl of Maint: 2                                    | Freq: 0      | Equip/Task: X | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 2         |                   |                    |

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|----------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-25812-002)THE HP STEAM DRAIN PIPING REQUIRES ULTRASONIC TESTING | ULTRASONICALLY-TEST THE HP STEAM DRAIN PIPING AS FOLLOWS:<br>A. CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES (90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. C. PRESERVE DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. ULTRASONIC TESTING NOT REQUIRED ON MONEL PIPING. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|---------------------------------------------------------------|---------|---------------|------------------|-------------|-----------------------|
| Task/Abbreviation: D-25910-002- -SHIPALT LHA1-00870D - ACCOMP |         |               | MJC: EXSAD058    |             | Rev Date: 5/3/2006    |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:        | Qty: 1      | Removal Required: NO  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 5,000 | ManDays: 68 | Alt No: SALHA 00870 D |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3           |             |                       |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                         |
| BASELINE | (D-25910-2) TYCOM AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-870D "SMOKEPIPE EXP JT MN DK FWD - ML" WHICH INSTALLS A COMPOSITE MATERIAL EXPANSION JOINT OVER THE EXISTING STAINLESS STEEL SMOKEPIPE EXPANSION JOINT WITH A BARRIER CONSISTING OF CERAMIC FIBER INSULATION AND WIRE MESH BETWEEN THE COMPOSITE AND EXISTING JOINTS. |

|                                                               |         |               |                  |             |                       |
|---------------------------------------------------------------|---------|---------------|------------------|-------------|-----------------------|
| Task/Abbreviation: D-25910-005- -SHIPALT LHA1-00873D - ACCOMP |         |               | MJC: EXSAD016    |             | Rev Date: 5/3/2006    |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:        | Qty: 1      | Removal Required: NO  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 5,000 | ManDays: 68 | Alt No: SALHA 00873 D |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3           |             |                       |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (D-25910-5) TYCOM AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-873D "SMOKEPIPE EXP JT 03 LVL - ML" WHICH INSTALLS A COMPOSITE MATERIAL EXPANSION JOINT OVER THE EXISTING STAINLESS STEEL SMOKEPIPE EXPANSION JOINT WITH A BARRIER CONSISTING OF CERAMIC FIBER INSULATION AND WIRE MESH BETWEEN THE COMPOSITE AND EXISTING JOINTS. |

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|----------------------------------------------------------------------|---------------------|----------------------|-------------------------|-----------------------------|------------------------------|
| <b>Task/Abbreviation:</b> D-25910-010- -SHIPALT LHA1-00895D - ACCOMP |                     |                      | <b>MJC:</b> EXSAD065    |                             | <b>Rev Date:</b> 5/3/2006    |
| <b>RCM Analysis:</b>                                                 | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1           | <b>Removal Required:</b> NO |                              |
| <b>Lvl of Maint:</b> 1                                               | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 5,000 | <b>ManDays:</b> 181         | <b>Alt No:</b> SALHA 00895 D |
| <b>Referenced Authority:</b>                                         |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3           |                             |                              |

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|----------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>           | <b>Recommended Solution:</b>                                                                                                                                                   |
| BASELINE       | (D-25910-10) TYCOM AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-895D "SMOKE PIPE SUPPORT RAILS" WHICH INSTALLS A SERIES OF SUPPORT RAILS IN THE SMOKEPIPE TO IMPROVE PERSONNEL SAFETY AND IMPROVE ACCESS FOR CLEANING. |

|                                                               |         |               |                  |              |                       |                      |
|---------------------------------------------------------------|---------|---------------|------------------|--------------|-----------------------|----------------------|
| Task/Abbreviation: D-25910-011- -SHIPALT LHA1-00898D - ACCOMP |         |               | MJC: EXSAD066    |              | Rev Date: 5/3/2006    |                      |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:        |              | Qty: 1                | Removal Required: NO |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 5,000 | ManDays: 200 | Alt No: SALHA 00898 D |                      |
| Referenced Authority:                                         |         | Repair Pool:  |                  | MCC: 3       |                       |                      |

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| Reason:  | Problem Description:                  | Recommended Solution:                                                                                                                                          |
| BASELINE | (D-25910-11) TYCOM AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-898D "SMOKE PIPE LADDER INSTALLATION" WHICH INSTALLS LADDERS IN BOTH SMOKE PIPES FOR CLEANING AND INSPECTION OF THE INTERIOR SURFACES. |

|                                                  |              |               |                |                   |                    |
|--------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: I-26111-001-A-FO SVCE PP - UT |              |               | MJC: EXECI101  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                    | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: |                    |
| Lvl of Maint: 2                                  | Freq: 0      | Equip/Task: X | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                            |              | Repair Pool:  | MCC: 2         |                   |                    |

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|----------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-26111-001)THE FUEL OIL SERVICE SYSTEM PIPING REQUIRES ULTRASONIC TESTING | ULTRASONICALLY-TEST THE FUEL OIL SERVICE SYSTEM PIPING AS FOLLOWS: A. CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES (90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. C. PRESERVE DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. ULTRASONIC TESTING NOT REQUIRED ON MONEL PIPING. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                         |              |               |               |                   |                    |
|---------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-26111-016- -FO SVCE SYS - MRC G1F3 |              |               | MJC: EXECI612 |                   | Rev Date: 9/2/2011 |
| RCM Analysis: 7/12/2004                                 | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                    |
| Lvl of Maint: 3                                         | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2        |                   |                    |

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|----------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-26111-016)THE FUEL OIL SERVICE REQUIRES ASSESSMENT. | ACCOMPLISH THE FUEL OIL SERVICE ASSESSMENT IN ACCORDANCE WITH MRC G1F3 AS FOLLOWS: 1. INSPECT FUEL OIL SERVICE SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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**Task/Abbreviation:** I-26111-019- -FO SVCE SYS - MRC C2FR**MJC:** EXECIFB9**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-26111-019)THE FUEL OIL SERVICE CONSTANT PRESSURE CONTROL VALVE REQUIRES ASSESSMENT.

ACCOMPLISH THE FUEL OIL SERVICE CONSTANT PRESSURE CONTROL VALVE ASSESSMENT IN ACCORDANCE WITH MRC C2FR AS FOLLOWS: 1. TEST OPERATE FUEL OIL SERVICE CONSTANT PRESSURE CONTROL VALVE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| <b>Task/Abbreviation:</b> Q-26111-024- -FO SVCE SYS PIPING - REPL |  |                     |  | <b>MJC:</b> EXECQEJ5 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,700   |  | <b>ManDays:</b> 30       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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|----------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                                                 | <b>Recommended Solution:</b>                                                                                                          |
| BASELINE       | (Q-26111-024)DEFECTIVE FUEL OIL SERVICE SYSTEM PIPING REQUIRES REPLACEMENT. | REMOVE DESIGNATED SECTIONS(S) OF DEFECTIVE/DETERIORATED FUEL OIL SERVICE SYSTEM PIPING, REPLACE AND TEST PIPING IAW NSTM CHAPTER 505. |

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|--------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: I-26112-001-A-FO SVCE PP - UT |              |               | MJC: EXECI103  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                    | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: |                    |
| Lvl of Maint: 2                                  | Freq: 0      | Equip/Task: X | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                            |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-26112-001)THE FUEL OIL SERVICE SYSTEM PIPING REQUIRES ULTRASONIC TESTING | ULTRASONICALLY-TEST THE FUEL OIL SERVICE SYSTEM PIPING AS FOLLOWS: A. CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES (90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. C. PRESERVE DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. ULTRASONIC TESTING NOT REQUIRED ON MONEL PIPING. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                         |  |              |               |               |                    |            |                   |            |         |  |
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| Task/Abbreviation: I-26112-011- -FO SVCE SYS - MRC G1F3 |  |              | MJC: EXECI616 |               | Rev Date: 9/2/2011 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                 |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 2     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                         |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                   |  |              | Repair Pool:  |               |                    | MCC: 2     |                   |            |         |  |

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|----------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-26112-011)THE FUEL OIL SERVICE REQUIRES ASSESSMENT. | ACCOMPLISH THE FUEL OIL SERVICE ASSESSMENT IN ACCORDANCE WITH MRC G1F3 AS FOLLOWS: 1. INSPECT FUEL OIL SERVICE SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-26112-014- -FO SVCE SYS - MRC C2FR**MJC:** EXECIFC0**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-26112-014)THE FUEL OIL SERVICE CONSTANT PRESSURE CONTROL VALVE REQUIRES ASSESSMENT.

ACCOMPLISH THE FUEL OIL SERVICE CONSTANT PRESSURE CONTROL VALVE ASSESSMENT IN ACCORDANCE WITH MRC C2FR AS FOLLOWS: 1. TEST OPERATE FUEL OIL SERVICE CONSTANT PRESSURE CONTROL VALVE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| <b>Task/Abbreviation:</b> Q-26112-016- -FO SVCE SYS PIPING - REPL |  |                     |  | <b>MJC:</b> EXECQEK7 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,700   |  | <b>ManDays:</b> 30       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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|----------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                                                 | <b>Recommended Solution:</b>                                                                                                          |
| BASELINE       | (Q-26112-016)DEFECTIVE FUEL OIL SERVICE SYSTEM PIPING REQUIRES REPLACEMENT. | REMOVE DESIGNATED SECTIONS(S) OF DEFECTIVE/DETERIORATED FUEL OIL SERVICE SYSTEM PIPING, REPLACE AND TEST PIPING IAW NSTM CHAPTER 505. |

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**Task/Abbreviation:** Q-26121-007- -FO SVCE PMP - RPR**MJC:** EXECQ248**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,395**ManDays:** 31**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26121-007)PUMP REQUIRES REPAIR

OPEN ROTARY/SCREW PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD ROTOR AND HOUSING BORE DIAMETER, CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT AND ROTOR ASSEMBLY. B. RESURFACE AND MACHINE SHAFT JOURNALS IN WAY OF PACKING AND BEARINGS. C. STONE/DRESS BEARING HOUSING FIT AREAS. D. STONE/DRESS TIMING GEARS. E. RESURFACE AND MACHINE PUMP CASING BORES USING AUTHORIZED COATING SYSTEM. F. STONE/DRESS CASING MATING AND SEALING SURFACE. G. REPLACE PUMP ROTOR SHAFT AND KEY. H. REPLACE PUMP ROTOR ASSEMBLY AND ENSURE ROTOR TO CASING CLEARANCES. I. REPLACE LINER/SLEEVE ASSEMBLY. J. REPLACE PUMP CASING. K. REPLACE TIMING GEAR SET AND ENSURE PROPER CLEARANCES. L. REPLACE TIMING GEAR SPACERS. M. REPLACE THRUST WASHERS AND ENSURE PROPER CLEARANCES. N. REPLACE COUPLING. REASSEMBLE UNIT WITH NEW GASKET, BEARINGS, PACKING, MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-26121-019- -FO SVCE PMP MECH SEAL-REPL |  |                                             |  | MJC: EXECJBK2 |  | Rev Date: 9/2/2011                                                                                                                                                                                      |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N                                |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                  |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0                                     |  | Equip/Task: 1 |  | Matl Cost: 350                                                                                                                                                                                          |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                       |  |                                             |  | Repair Pool:  |  |                                                                                                                                                                                                         |  | MCC: 2            |  |         |  |
| Reason:                                                     |  | Problem Description:                        |  |               |  | Recommended Solution:                                                                                                                                                                                   |  |                   |  |         |  |
| BASELINE                                                    |  | (Q-26121-019)PUMP SEAL REQUIRES REPLACEMENT |  |               |  | REPLACE THE FUEL SERVICE PUMP (ROTARY SCREW) MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |



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| <b>Task/Abbreviation:</b> Q-26121-020- -FO SVCE PMP BRGS - REPL |  |                                                          |  | <b>MJC:</b> EXECJBK3 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                         |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                                      |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0                                           |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 800                                                                                                                                                                                             |  | <b>ManDays:</b> 4        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                                          |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                   |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>                              |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                      |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-26121-020)PUMP SEALS AND BEARINGS REQUIRE REPLACEMENT |  |                      |  | REPLACE THE FUEL SERVICE PUMP (ROTARY SCREW) BEARINGS, MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-26121-021- -FO SVCE PMP RT ASSY - REPL |  |                                                             |  | <b>MJC:</b> EXECJBK4 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                  |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0                                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 6,000                                                                                                                                                                                                                        |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                   |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-26121-021)PUMP ROTATING ASSEMBLY<br>REQUIRES REPLACEMENT |  |                      |  | REPLACE THE ROTARY/SCREW FUEL SERVICE PUMP ROTATING<br>ASSEMBLY, BEARINGS, MECHANICAL SEAL, FASTENERS, O-RINGS<br>AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS.<br>ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY<br>OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-26121-022- -FO SVCE PMP - REPL |                                        |                                                                                                                                                                                       | MJC: EXECJBK5     |             | Rev Date: 9/2/2011 |
| RCM Analysis:                                       |                                        | Scheduled: N                                                                                                                                                                          | Sit Reqs:         | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                     | Freq: 0                                | Equip/Task: 1                                                                                                                                                                         | Matl Cost: 25,000 | ManDays: 10 | Alt No:            |
| Referenced Authority:                               |                                        | Repair Pool:                                                                                                                                                                          | MCC: 2            |             |                    |
| Reason:                                             | Problem Description:                   | Recommended Solution:                                                                                                                                                                 |                   |             |                    |
| BASELINE                                            | (Q-26121-022)PUMP REQUIRES REPLACEMENT | REMOVE THE ROTARY/SCREW FUEL SERVICE PUMP. REPLACE THE PUMP WITH NEW BASED ON CONDITION ASSESSMENT RECOMMENDATIONS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                   |             |                    |

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**Task/Abbreviation:** I-26121-029- -FOSP - MRC G1F2**MJC:** EXECI618**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-26121-029)THE FUEL OIL SERVICE PUMP MOTOR  
AND CONTROLLER REQUIRES ASSESSMENT.ACCOMPLISH THE FUEL OIL SERVICE PUMP MOTOR AND  
CONTROLLER ASSESSMENT IN ACCORDANCE WITH MRC G1F2 AS  
FOLLOWS: 1. INSPECT MOTOR AND CONTROLLER. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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| Task/Abbreviation: I-26121-030- -FOSP - MRC G1E9 |  |              | MJC: EXECI619 |               | Rev Date: 9/2/2011 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                          |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 4     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                  |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                            |  |              | Repair Pool:  |               |                    | MCC: 2     |                   |            |         |  |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-26121-030)THE MOTOR-DRIVEN FUEL OIL SERVICE PUMP REQUIRES ASSESSMENT. | ACCOMPLISH THE FUEL OIL SERVICE PUMP ASSESSMENT IN ACCORDANCE WITH MRC G1E9 AS FOLLOWS: 1. PERFORM MOTOR-DRIVEN FUEL OIL SERVICE PUMP OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-26121-040- -FOSP VIB TST - MRC G1P1 |              |               | MJC: EXECIGC0 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                    |
| Lvl of Maint: 3                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-26121-040)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-26121-041- -FO SVCE PMP MOT - RWND |                                                |                                                                                                                                                                     | MJC: EXECQCH5    |             | Rev Date: 5/3/2006 |
| RCM Analysis:                                           |                                                | Scheduled: N                                                                                                                                                        | Sit Reqs:        | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                         | Freq: 0                                        | Equip/Task: 1                                                                                                                                                       | Matl Cost: 1,472 | ManDays: 30 | Alt No:            |
| Referenced Authority:                                   |                                                | Repair Pool:                                                                                                                                                        | MCC: 2           |             |                    |
| Reason:                                                 | Problem Description:                           | Recommended Solution:                                                                                                                                               |                  |             |                    |
| BASELINE                                                | (Q-26121-041)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE FUEL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                  |             |                    |

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| <b>Task/Abbreviation:</b> Q-26121-042- -FO SVCE PMP MOT - RPR |  |                                                     |  | <b>MJC:</b> EXECQCH7 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N                                 |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                  |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0                                      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 396                                                                                                                                                                                                          |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                                                     |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                |  | <b>Problem Description:</b>                         |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                   |  |                          |  |                |  |
| BASELINE                                                      |  | (Q-26121-042)ELECTRIC MOTOR REQUIRES RECONDITIONING |  |                      |  | RECONDITION THE ELECTRIC MOTOR OF THE FUEL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 300-50 FOR GUIDANCE IN DEVELOPING SPEC. |  |                          |  |                |  |



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| Task/Abbreviation: Q-26121-043- -FO SVCE PMP MOT BRG - REPL |         |               | MJC: EXECQCH9  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 198 | ManDays: 4 | Alt No:            |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 2         |            |                    |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                 |
| BASELINE | (Q-26121-043)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE FUEL SERVICE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-26122-007- -FO SVCE PMP - RPR**MJC:** EXECQ254**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,395**ManDays:** 31**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26122-007)PUMP REQUIRES REPAIR

OPEN ROTARY/SCREW PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD ROTOR AND HOUSING BORE DIAMETER, CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT AND ROTOR ASSEMBLY. B. RESURFACE AND MACHINE SHAFT JOURNALS IN WAY OF PACKING AND BEARINGS. C. STONE/DRESS BEARING HOUSING FIT AREAS. D. STONE/DRESS TIMING GEARS. E. RESURFACE AND MACHINE PUMP CASING BORES USING AUTHORIZED COATING SYSTEM. F. STONE/DRESS CASING MATING AND SEALING SURFACE. G. REPLACE PUMP ROTOR SHAFT AND KEY. H. REPLACE PUMP ROTOR ASSEMBLY AND ENSURE ROTOR TO CASING CLEARANCES. I. REPLACE LINER/SLEEVE ASSEMBLY. J. REPLACE PUMP CASING. K. REPLACE TIMING GEAR SET AND ENSURE PROPER CLEARANCES. L. REPLACE TIMING GEAR SPACERS. M. REPLACE THRUST WASHERS AND ENSURE PROPER CLEARANCES. N. REPLACE COUPLING. REASSEMBLE UNIT WITH NEW GASKET, BEARINGS, PACKING, MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| <b>Task/Abbreviation:</b> Q-26122-017- -FO SVCE PMP MECH SEAL-REPL |  |                                        |  | <b>MJC:</b> EXECJCB1 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                               |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 350                                                                                                                                                                                   |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                         |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                            |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-26122-017)PUMP REQUIRES REPLACEMENT |  |                      |  | REPLACE THE FUEL SERVICE (ROTARY SCREW) PUMP MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-26122-018- -FO SVCE PMP BRGS - REPL |  |                                                          |  | <b>MJC:</b> EXECJCB2 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                         |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                                      |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0                                           |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 800                                                                                                                                                                                             |  | <b>ManDays:</b> 4        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                                          |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                   |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>                              |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                      |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-26122-018)PUMP SEALS AND BEARINGS REQUIRE REPLACEMENT |  |                      |  | REPLACE THE FUEL SERVICE PUMP (ROTARY SCREW) BEARINGS, MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-26122-019- -FO SVCE PMP RT ASSY - REPL |  |              |  | MJC: EXECJCB3 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 6,000   |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                            |
| BASELINE | (Q-26122-019)PUMP ROTATING ASSEMBLY<br>REQUIRES REPLACEMENT | REPLACE THE FUEL SERVICE PUMP (ROTARY SCREW) ROTATING<br>ASSEMBLY, BEARINGS, MECHANICAL SEAL, FASTENERS, O-RINGS<br>AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS.<br>ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY<br>OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-26122-020- -FO SVCE PMP - REPL |  |                                        |  | <b>MJC:</b> EXECJCB4 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                               |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                       |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                     |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 25,000                                                                                                                                                                |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                               |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                         |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                             |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                            |  |                          |  |                |  |
| BASELINE                                                   |  | (Q-26122-020)PUMP REQUIRES REPLACEMENT |  |                      |  | REMOVE THE FUEL SERVICE PUMP (ROTARY SCREW). REPLACE THE PUMP WITH NEW BASED ON CONDITION ASSESSMENT RECOMMENDATIONS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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**Task/Abbreviation:** I-26122-021- -FOSP - MRC G1E9**MJC:** EXECI621**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-26122-021)THE MOTOR-DRIVEN FUEL OIL  
SERVICE PUMP REQUIRES ASSESSMENT.ACCOMPLISH THE FUEL OIL SERVICE PUMP ASSESSMENT IN  
ACCORDANCE WITH MRC G1E9 AS FOLLOWS: 1. PERFORM  
MOTOR-DRIVEN FUEL OIL SERVICE PUMP OPERATIONAL TEST.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-26122-023- -FOSP - MRC G1F2**MJC:** EXECI623**Rev Date:** 9/2/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-26122-023)THE FUEL OIL SERVICE PUMP MOTOR  
AND CONTROLLER REQUIRES ASSESSMENT.ACCOMPLISH THE FUEL OIL SERVICE PUMP MOTOR AND  
CONTROLLER ASSESSMENT IN ACCORDANCE WITH MRC G1F2 AS  
FOLLOWS: 1. INSPECT MOTOR AND CONTROLLER. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.



|                                                          |              |               |               |                   |                    |
|----------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-26122-032- -FOSP VIB TST - MRC G1P1 |              |               | MJC: EXECIGC1 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                    |
| Lvl of Maint: 3                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-26122-032)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> Q-26122-033- -FO SVCE PMP MOT - RWND |  |                     |  | <b>MJC:</b> EXECQCI0 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                         |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,472   |  | <b>ManDays:</b> 30       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                   |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                        |
| BASELINE       | (Q-26122-033)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE FUEL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26122-034- -FO SVCE PMP MOT - RPR |  |                                                     |  | MJC: EXECQCI1 |  | Rev Date: 9/2/2011                                                                                                                                                                                                             |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N                                        |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0                                             |  | Equip/Task: 1 |  | Matl Cost: 396                                                                                                                                                                                                                 |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                  |  |                                                     |  | Repair Pool:  |  |                                                                                                                                                                                                                                |  | MCC: 2            |  |         |  |
| Reason:                                                |  | Problem Description:                                |  |               |  | Recommended Solution:                                                                                                                                                                                                          |  |                   |  |         |  |
| BASELINE                                               |  | (Q-26122-034)ELECTRIC MOTOR REQUIRES RECONDITIONING |  |               |  | RECONDITION THE ELECTRIC MOTOR OF THE FUEL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 300-50 FOR GUIDANCE IN DEVELOPING SPEC. |  |                   |  |         |  |

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| Task/Abbreviation: Q-26122-035- -FO SVCE PMP MOT BRG - REPL |         |               | MJC: EXECQCI2  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 198 | ManDays: 4 | Alt No:            |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 2         |            |                    |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                 |
| BASELINE | (Q-26122-035)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE FUEL SERVICE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-26211-001- -LO SYS/PMP BTFLY VLVS-RPR/REPL**MJC:** EXECQ259**Rev Date:** 5/27/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26211-001)MAIN LUBE OIL PIPING SYSTEM/PUMP VALVES (BUTTERFLY) NEED TO BE REPAIRED OR REPLACED.

REMOVE THE DESIGNATED BUTTERFLY VALVES FOR THE MAIN LUBE OIL PIPING SYSTEM/PUMP TO SHOP AFTER OPERATIONAL IN-PLACE TESTING WITH CORRESPONDING ACTUATORS, IF FITTED. DISASSEMBLE VALVES FOR CLEANING AND INSPECTION OF ALL COMPONENTS, INCLUDING SEATING SURFACES. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE VALVES USING NEW GASKETS AND SEALS, POLISH AND STRAIGHTEN STEM. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY SHOP-TEST. INSTALL VALVES IN ORIGINAL LOCATION AND ORIENTATION ABOARD SHIP USING NEW GASKETS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. INSTALL ACTUATORS, IF FITTED, AND SET TRAVEL LIMITS AND INDICATORS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE BOOT. B. REPLACE VALVE. NOTE: 1. VALVES 4 INCHES AND LESS TO BE REPLACED.

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**Task/Abbreviation:** Q-26211-002- -LO SYS/PMP GATE VLVS-RPR/REPL**MJC:** EXECQ260**Rev Date:** 5/27/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26211-002)MAIN LUBE OIL PIPING SYSTEM/PUMP VALVES (GATE) NEED TO BE REPAIRED OR REPLACED.

OPEN, IN-PLACE, THE DESIGNATED GATE VALVES FOR THE MAIN LUBE OIL PIPING SYSTEM/PUMP FOR CLN & INSP OF COMPONENTS. CLN & BLUE-CHECK SEAT CONTACT SURFACES. ACCOMP DYE PENETRANT CHECK OF SEAT & DISC. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEM VALVES USING NEW PACKING & REPL UNSERVICEABLE FASTENERS. PROVE TIGHT. A. REMOVE BONNET ASSEMBLY TO SHOP. B. WELD BUILD-UP GATE AND MACHINE. C. WELD BUILD-UP AND MACHINE SEAT IN-PLACE. D. WELD BUILD-UP AND MACHINE BONNET FLANGES. E. WELD BUILD-UP AND MACHINE GUIDES. F. REPLACE SEAT RINGS. G. DRESS VALVE STEM IN WAY OF PKG AREA AND CHASE THREADS. H. REPLACE VALVE STEM. I. REPLACE GUIDES. J. REPLACE VALVE. K. REMOVE VALVE TO SHOP TO ACCOMPLISH REPAIRS. NOTE 1: VALVES 6 INCHES AND LESS TO BE REPLACED.

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**Task/Abbreviation:** Q-26211-003- -LO SYS/PMP GLOBE VLVS-RPR/REPL**MJC:** EXECQ261**Rev Date:** 5/27/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26211-003)MAIN LUBE OIL PIPING SYSTEM/PUMP VALVES (GLOBE) NEED TO BE REPAIRED OR REPLACED.

OPEN DESIG MAIN LUBE OIL PIPING SYSTEM/PUMP GLOBE VLVS IN PLACE. CLEAN, BLUE-CHECK SEAT & DISC CONTACT SURFACES & ACCOMP DYE PENETRANT CHECK. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPL OF RPRS, AS AUTH FROM FOLLOWING LIST, REASSEM VLVS USING NEW PKG & REPL UNSERVICEABLE FASTENERS. PROVE TIGHT & ACCOMP OP TEST: A. RMV BONNET/DISC ASSY TO SHOP. WELD DISC & REMACH. B. WELD BUILD UP AND MACHINE SEAT IN PLACE. C. WELD BUILD UP AND MACHINE BONNET FLANGES. D. PROVIDE/INSTALL REPLACEMENT SEAT RINGS. E. DRESS VLV STEM IN WAY OF PKG AREA & CHASE THREADS. F. REPLACE VALVE STEM. G. REPLACE VALVE. H. REMOVE VALVE TO SHOP TO ACCOMPLISH REPAIRS. I. PROVIDE & INSTL REPLACEMENT DISC & SEAT & MACH, GRIND OR LAP AND SPOT-IN DISC TO SEAT. J. CONNECT VALVE ACTUATORS TO CORRESPONDING VALVES & SET TRAVEL LIMITS AND INDICATORS. NOTE: 1. VALVES 4 INCHES AND LESS TO BE REPLACED.

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|-------------------------------------------------------|--|--------------|---------------|---------------|---------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-26211-012- -MN LO SYS - MRC G1A9 |  |              | MJC: EXECI624 |               | Rev Date: 6/20/2005 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 2     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                       |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                 |  |              | Repair Pool:  |               |                     | MCC: 2     |                   |            |         |  |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-26211-012)THE MAIN LUBE OIL SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN LUBE OIL SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC G1A9 AS FOLLOWS: 1. INSPECT MAIN LUBE OIL SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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|-----------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------|-------------|---------------------|
| Task/Abbreviation: Q-26211-022- -MN LO PIPING SYS-CLEAN & FLUSH |                                                                 |                                                                                      | MJC: EXECQEI4    |             | Rev Date: 3/31/2010 |
| RCM Analysis:                                                   |                                                                 | Scheduled: N                                                                         | Sit Reqs:        | Qty: 2      | Removal Required:   |
| Lvl of Maint: 1                                                 | Freq: 0                                                         | Equip/Task: 1                                                                        | Matl Cost: 5,000 | ManDays: 16 | Alt No:             |
| Referenced Authority:                                           |                                                                 | Repair Pool:                                                                         | MCC: 2           |             |                     |
| Reason:                                                         | Problem Description:                                            | Recommended Solution:                                                                |                  |             |                     |
| BASELINE                                                        | (Q-26211-022)THE MAIN LUBE OIL PIPING SYSTEM REQUIRES CLEANING. | CLEAN AND FLUSH THE MAIN LUBE OIL PIPING SYSTEM IN ACCORDANCE WITH NSTM CHAPTER 505. |                  |             |                     |

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**Task/Abbreviation:** Q-26212-001- -LO SYS/PMP BTFLY VLVS-RPR/REPL**MJC:** EXECQ070**Rev Date:** 5/27/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26212-001)MAIN LUBE OIL PIPING SYSTEM/PUMP VALVES (BUTTERFLY) NEED TO BE REPAIRED OR REPLACED.

REMOVE THE DESIGNATED BUTTERFLY VALVES OF THE MAIN LUBE OIL PIPING SYSTEM/PUMP TO SHOP AFTER OPERATIONAL IN- PLACE TESTING WITH CORRESPONDING ACTUATORS, IF FITTED. DISASSEMBLE VALVES FOR CLEANING AND INSPECTION OF ALL COMPONENTS, INCLUDING SEATING SURFACES. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE VALVES USING NEW GASKETS AND SEALS, POLISH AND STRAIGHTEN STEM. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY SHOP-TEST. INSTALL VALVES IN ORIGINAL LOCATION AND ORIENTATION ABOARD SHIP USING NEW GASKETS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. INSTALL ACTUATORS, IF FITTED, AND SET TRAVEL LIMITS AND INDICATORS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE BOOT. B. REPLACE VALVE. NOTE: 1. VALVES 4 INCHES AND LESS TO BE REPLACED.

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**Task/Abbreviation:** Q-26212-002- -LO SYS/PMP GATE VLVS-RPR/REPL**MJC:** EXECQ264**Rev Date:** 5/27/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26212-002)MAIN LUBE OIL PIPING SYSTEM/PUMP VALVES (GATE) NEED TO BE REPAIRED OR REPLACED.

OPEN, IN-PLACE, THE DESIGNATED GATE VALVES FOR THE MAIN LUBE OIL PIPING SYSTEM/PUMP FOR CLN & INSP OF COMPONENTS. CLN & BLUE-CHECK SEAT CONTACT SURFACES. ACCOMP DYE PENETRANT CHECK OF SEAT & DISC. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEM VALVES USING NEW PACKING & REPL UNSERVICEABLE FASTENERS. PROVE TIGHT. A. REMOVE BONNET ASSEMBLY TO SHOP. B. WELD BUILD-UP GATE AND MACHINE. C. WELD BUILD-UP AND MACHINE SEAT IN-PLACE. D. WELD BUILD-UP AND MACHINE BONNET FLANGES. E. WELD BUILD-UP AND MACHINE GUIDES. F. REPLACE SEAT RINGS. G. DRESS VALVE STEM IN WAY OF PKG AREA AND CHASE THREADS. H. REPLACE VALVE STEM. I. REPLACE GUIDES. J. REPLACE VALVE. K. REMOVE VALVE TO SHOP TO ACCOMPLISH REPAIRS. NOTE 1: VALVES 6 INCHES AND LESS TO BE REPLACED.

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**Task/Abbreviation:** Q-26212-003- -LO SYS/PMP GLOBE VLVS-RPR/REPL**MJC:** EXECQ265**Rev Date:** 5/27/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26212-003)MAIN LUBE OIL PIPING SYSTEM/PUMP VALVES (GLOBE) NEED TO BE REPAIRED OR REPLACED.

OPEN DESIG MAIN LUBE OIL PIPING SYSTEM/PUMP GLOBE VLVS IN PLACE. CLEAN, BLUE-CHECK SEAT & DISC CONTACT SURFACES & ACCOMP DYE PENETRANT CHECK. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPL OF RPRS, AS AUTH FROM FOLLOWING LIST, REASSEM VLVS USING NEW PKG & REPL UNSERVICEABLE FASTENERS. PROVE TIGHT & ACCOMP OP TEST: A. RMV BONNET/DISC ASSY TO SHOP. WELD DISC & REMACH. B. WELD BUILD UP AND MACHINE SEAT IN PLACE. C. WELD BUILD UP AND MACHINE BONNET FLANGES. D. PROVIDE/INSTALL REPLACEMENT SEAT RINGS. E. DRESS VLV STEM IN WAY OF PKG AREA & CHASE THREADS. F. REPLACE VALVE STEM. G. REPLACE VALVE. H. REMOVE VALVE TO SHOP TO ACCOMPLISH REPAIRS. I. PROVIDE & INSTL REPLACEMENT DISC & SEAT & MACH, GRIND OR LAP AND SPOT-IN DISC TO SEAT. J. CONNECT VALVE ACTUATORS TO CORRESPONDING VALVES & SET TRAVEL LIMITS AND INDICATORS. NOTE: 1. VALVES 4 INCHES AND LESS TO BE REPLACED.

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| Task/Abbreviation: I-26212-006- -MN LO SYS - MRC G1A9 |  |              | MJC: EXECI625 |               | Rev Date: 6/20/2005 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 2     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                       |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                 |  |              | Repair Pool:  |               |                     | MCC: 2     |                   |            |         |  |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-26212-006)THE MAIN LUBE OIL SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN LUBE OIL SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC G1A9 AS FOLLOWS: 1. INSPECT MAIN LUBE OIL SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------|-------------|---------------------|
| Task/Abbreviation: Q-26212-008- -MN LO PIPING SYS-CLEAN & FLUSH |                                                                 |                                                                                      | MJC: EXECQEI5    |             | Rev Date: 3/31/2010 |
| RCM Analysis:                                                   |                                                                 | Scheduled: N                                                                         | Sit Reqs:        | Qty: 2      | Removal Required:   |
| Lvl of Maint: 1                                                 | Freq: 0                                                         | Equip/Task: 1                                                                        | Matl Cost: 5,000 | ManDays: 16 | Alt No:             |
| Referenced Authority:                                           |                                                                 | Repair Pool:                                                                         | MCC: 2           |             |                     |
| Reason:                                                         | Problem Description:                                            | Recommended Solution:                                                                |                  |             |                     |
| BASELINE                                                        | (Q-26211-022)THE MAIN LUBE OIL PIPING SYSTEM REQUIRES CLEANING. | CLEAN AND FLUSH THE MAIN LUBE OIL PIPING SYSTEM IN ACCORDANCE WITH NSTM CHAPTER 505. |                  |             |                     |

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|--------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-26231-001- -MN LO ATCHD PMP UNIT - INSP |              |               | MJC: EXECI102 |                   | Rev Date: 5/20/2008 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-26231-001)THE ATTACHED MAIN LUBE OIL PUMP REQUIRES INSPECTION | INSPECT AND TEST THE ATTACHED MAIN LUBE OIL PUMP. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TEST. C. VIBRATION ANALYSIS. D. CAPACITY FLOW TEST. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|--------------------------------------------------------|--------------|---------------|------------------|-------------------|-----------|
| Task/Abbreviation: Q-26231-007- -MN LO ATCHD PMP - RPR |              |               | MJC: EXECQ268    |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |           |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,025 | ManDays: 45       | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2           |                   |           |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-26231-007)PUMP REQUIRES REPAIR | OPEN ROTARY/SCREW PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD ROTOR AND HOUSING BORE DIAMETER, CLEARANCES AND RUNOUTS A. ACCOMPLISH NDT OF PUMP SHAFT AND ROTOR ASSEMBLY. B. RESURFACE AND MACHINE SHAFT JOURNALS IN WAY OF PACKING AND BEARINGS. C. STONE/DRESS BEARING HOUSING FIT AREAS. D. STONE/DRESS TIMING GEARS. E. RESURFACE AND MACHINE PUMP CASING BORES USING AUTHORIZED COATING SYSTEM. F. STONE/DRESS CASING MATING AND SEALING SURFACE. G. REPLACE PUMP ROTOR SHAFT AND KEY. H. REPLACE PUMP ROTOR ASSEMBLY AND ENSURE ROTOR TO CASING CLEARANCES. I. REPLACE LINER/SLEEVE ASSEMBLY. J. REPLACE PUMP CASING. K. REPLACE TIMING GEAR SET AND ENSURE PROPER CLEARANCES. L. REPLACE TIMING GEAR SPACERS. M. REPLACE THRUST WASHERS AND ENSURE PROPER CLEARANCES. N. REPLACE COUPLING. REASSEMBLE UNIT WITH NEW GASKET, BEARINGS, PACKING, MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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|-----------------------------------------------------------------|--|---------------------------------------------|--|---------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-26231-011- -MN LO ATCHD PMP MECH SEAL-REPL |  |                                             |  | MJC: EXECJCB7 |  | Rev Date:                                                                                                                                                                                                               |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N                                |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                  |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                 |  | Freq: 0                                     |  | Equip/Task: 1 |  | Matl Cost: 350                                                                                                                                                                                                          |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                           |  |                                             |  | Repair Pool:  |  |                                                                                                                                                                                                                         |  | MCC: 2            |  |         |  |
| Reason:                                                         |  | Problem Description:                        |  |               |  | Recommended Solution:                                                                                                                                                                                                   |  |                   |  |         |  |
| BASELINE                                                        |  | (Q-26231-011)PUMP SEAL REQUIRES REPLACEMENT |  |               |  | REPLACE THE ROTARY/SCREW ATTACHED MAIN LUBE OIL SERVICE PUMP MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-26231-012- -MN LO ATCHD PMP BRGS - REPL |         |               | MJC: EXECJCB8  |            | Rev Date:         |
| RCM Analysis:                                                |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 1 | Matl Cost: 900 | ManDays: 4 | Alt No:           |
| Referenced Authority:                                        |         | Repair Pool:  | MCC: 2         |            |                   |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                             |
| BASELINE | (Q-26231-012)PUMP SEALS AND BEARINGS REQUIRE REPLACEMENT | REPLACE THE ROTARY/SCREW ATTACHED MAIN LUBE OIL SERVICE PUMP BEARINGS, MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26231-013- -MN LO ATCHD PMP RT ASSY - REPL |         |               | MJC: EXECJCB9    |             | Rev Date:         |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:        | Qty: 2      | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 7,000 | ManDays: 20 | Alt No:           |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 2           |             |                   |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                            |
| BASELINE | (Q-26231-013)PUMP ROTATING ASSEMBLY<br>REQUIRES REPLACEMENT | REPLACE THE ROTARY/SCREW ATTACHED MAIN LUBE OIL SERVICE<br>PUMP ROTATING ASSEMBLY, BEARINGS, MECHANICAL SEAL,<br>FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR<br>CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26231-014- -MN LO ATCHD PMP - REPL |  |              |  | MJC: EXECJCC0 |  | Rev Date:         |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2            |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 53,000 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                   |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                   |
| BASELINE | (Q-26231-014)PUMP REQUIRES REPLACEMENT | REMOVE THE ROTARY/SCREW ATTACHED MAIN LUBE OIL SERVICE PUMP. REPLACE THE PUMP WITH NEW BASED ON CONDITION ASSESSMENT RECOMMENDATIONS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-26231-016- -MN LO SYS PMP - MRC G1B3 |  |              | MJC: EXECI626 |               | Rev Date: 8/28/2008 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                   |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 2     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                           |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                     |  |              |               | Repair Pool:  |                     |            | MCC: 2            |            |         |  |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-26231-016)THE MAIN LUBE OIL SYSTEM PUMP REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN LUBE OIL SYSTEM PUMP ASSESSMENT IN ACCORDANCE WITH MRC G1B3 AS FOLLOWS: 1. INSPECT ATTACHED LUBE OIL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-26232-001- -MN LO ATCHD PMP UNIT - INSP |  |              |  | MJC: EXECICJ9 |  | Rev Date: 5/20/2008 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-26232-001)THE ATTACHED MAIN REDUCTION GEAR LUBE OIL PUMP REQUIRES INSPECTION | INSPECT AND TEST THE ATTACHED MAIN LUBE OIL PUMP. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TEST. C. VIBRATION ANALYSIS. D. CAPACITY FLOW TEST. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-26232-007- -MN LO ATCHD PMP - RPR |              |               | MJC: EXECQ270    |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |           |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,025 | ManDays: 45       | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2           |                   |           |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-26232-007)PUMP REQUIRES REPAIR | OPEN ROTARY/SCREW PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD ROTOR AND HOUSING BORE DIAMETER, CLEARANCES AND RUNOUTS A. ACCOMPLISH NDT OF PUMP SHAFT AND ROTOR ASSEMBLY. B. RESURFACE AND MACHINE SHAFT JOURNALS IN WAY OF PACKING AND BEARINGS. C. STONE/DRESS BEARING HOUSING FIT AREAS. D. STONE/DRESS TIMING GEARS. E. RESURFACE AND MACHINE PUMP CASING BORES USING AUTHORIZED COATING SYSTEM. F. STONE/DRESS CASING MATING AND SEALING SURFACE. G. REPLACE PUMP ROTOR SHAFT AND KEY. H. REPLACE PUMP ROTOR ASSEMBLY AND ENSURE ROTOR TO CASING CLEARANCES. I. REPLACE LINER/SLEEVE ASSEMBLY. J. REPLACE PUMP CASING. K. REPLACE TIMING GEAR SET AND ENSURE PROPER CLEARANCES. L. REPLACE TIMING GEAR SPACERS. M. REPLACE THRUST WASHERS AND ENSURE PROPER CLEARANCES. N. REPLACE COUPLING. REASSEMBLE UNIT WITH NEW GASKET, BEARINGS, PACKING, MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-26232-011- -MN LO ATCHD PMP MECH SEAL-REPL |  |                                             |  | <b>MJC:</b> EXECJCC3 |  | <b>Rev Date:</b>                                                                                                                                                                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 350                                                                                                                                                                                                   |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                         |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b>                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                            |  |                          |  |                |  |
| BASELINE                                                               |  | (Q-26232-011)PUMP SEAL REQUIRES REPLACEMENT |  |                      |  | REPLACE THE ROTARY/SCREW ATTACHED MAIN LUBE OIL SERVICE PUMP MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |



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| Task/Abbreviation: Q-26232-012- -MN LO ATCHD PMP BRGS - REPL |  |              |  | MJC: EXECJCC4 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900 |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                             |
| BASELINE | (Q-26232-012)PUMP SEALS AND BEARINGS REQUIRE REPLACEMENT | REPLACE THE ROTARY/SCREW ATTACHED MAIN LUBE OIL SERVICE PUMP BEARINGS, MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-26232-013- -MN LO ATCHD PMP RT ASSY - REPL |                     |                      | <b>MJC:</b> EXECJCC5    |                          | <b>Rev Date:</b> |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 2           | <b>Removal Required:</b> |                  |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 7,000 | <b>ManDays:</b> 20       | <b>Alt No:</b>   |
| <b>Referenced Authority:</b>                                           |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 2           |                          |                  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                 | <b>Recommended Solution:</b>                                                                                                                                                                                                                                     |
| BASELINE       | (Q-26232-013)PUMP ROTATING ASSEMBLY<br>REQUIRES REPLACEMENT | REPLACE THE ROTARY/SCREW ATTACHED MAIN LUBE OIL SERVICE<br>PUMP ROTATING ASSEMBLY, BEARINGS, MECHANICAL SEAL,<br>FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR<br>CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26232-014- -MN LO ATCHD PMP - REPL |  |                                        |  | MJC: EXECJCC6 |  | Rev Date:                                                                                                                                                                                               |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                  |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 53,000                                                                                                                                                                                       |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                   |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                         |  | MCC: 2            |  |         |  |
| Reason:                                                 |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                   |  |                   |  |         |  |
| BASELINE                                                |  | (Q-26232-014)PUMP REQUIRES REPLACEMENT |  |               |  | REMOVE THE ROTARY/SCREW ATTACHED MAIN LUBE OIL SERVICE PUMP. REPLACE THE PUMP WITH NEW BASED ON CONDITION ASSESSMENT RECOMMENDATIONS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: I-26232-016- -MN LO SYS PMP - MRC G1B3 |  |              | MJC: EXECI627 |               | Rev Date: 8/28/2008 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                   |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 2     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                           |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                     |  |              | Repair Pool:  |               |                     | MCC: 2     |                   |            |         |  |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-26232-016)THE MAIN LUBE OIL SYSTEM PUMP REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN LUBE OIL SYSTEM PUMP ASSESSMENT IN ACCORDANCE WITH MRC G1B3 AS FOLLOWS: 1. INSPECT ATTACHED LUBE OIL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-26241-007- -NON ATCHD LO PMP - RPR |              |               | MJC: EXECQ824    |                   | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,980 | ManDays: 44       | Alt No:   |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2           |                   |           |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-26241-007)PUMP REQUIRES REPAIR | OPEN ROTARY/SCREW PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD ROTOR AND HOUSING BORE DIAMETER, CLEARANCES AND RUNOUTS A. ACCOMPLISH NDT OF PUMP SHAFT AND ROTOR ASSEMBLY. B. RESURFACE AND MACHINE SHAFT JOURNALS IN WAY OF PACKING AND BEARINGS. C. STONE/DRESS BEARING HOUSING FIT AREAS. D. STONE/DRESS TIMING GEARS. E. RESURFACE AND MACHINE PUMP CASING BORES USING AUTHORIZED COATING SYSTEM. F. STONE/DRESS CASING MATING AND SEALING SURFACE. G. REPLACE PUMP ROTOR SHAFT AND KEY. H. REPLACE PUMP ROTOR ASSEMBLY AND ENSURE ROTOR TO CASING CLEARANCES. I. REPLACE LINER/SLEEVE ASSEMBLY. J. REPLACE PUMP CASING. K. REPLACE TIMING GEAR SET AND ENSURE PROPER CLEARANCES. L. REPLACE TIMING GEAR SPACERS. M. REPLACE THRUST WASHERS AND ENSURE PROPER CLEARANCES. N. REPLACE COUPLING. REASSEMBLE UNIT WITH NEW GASKET, BEARINGS, PACKING, MECHANICAL SEAL (IF INSTALLED), FASTENERS, O- RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-26241-011- -MN LO CLR - RPR**MJC:** EXECQ825**Rev Date:** 2/24/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 405**ManDays:** 9**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26241-011)COOLER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE MAIN LUBE OIL COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPLACE TUBE SHEETS. H. REPAIR TUBE SUPPORT PLATES. I. REPLACE HEADS. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. CHEMICALLY-CLEAN MAIN LUBE OIL COOLER. L. REPLACE TUBE BUNDLE.

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| Task/Abbreviation: Q-26241-022- -MN LO CLR - PLUG TB |              |               | MJC: EXECJ451  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 6        | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-26241-022)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26241-023- -MN LO CLR - REPL TB BUNDLE |              |               | MJC: EXECJ453  |                   | Rev Date: 2/24/2009 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-26241-023)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-26241-024- -MN LO CLR - REPL TB |  |              |  | MJC: EXECJ455 |  | Rev Date: 2/24/2009 |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 405      |  | ManDays: 7        |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-26241-024)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26241-025- -MN LO CLR - REPL ZINCS |  |                                        |  | MJC: EXECJ457 |  | Rev Date: 2/24/2009                                                                                                                                                                                                                                             |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 405                                                                                                                                                                                                                                                  |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                   |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 2            |  |         |  |
| Reason:                                                 |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                |  | (Q-26241-025)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-26241-026- -MN LO CLR - REROLL TB |              |               | MJC: EXECJ459  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-26241-026)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26241-027- -MN LO CLR - RPR TB SH |              |               | MJC: EXECJ461  |                   | Rev Date: 2/24/2009 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-26241-027)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26241-028- -MN LO CLR-RPR TB SPRT PLATES |              |               | MJC: EXECJ463  |                   | Rev Date: 2/24/2009 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-26241-028)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26241-039- -NON ATCHD LO PMP MOT-RWND |  |                                                |  | MJC: EXECJB52 |  | Rev Date:                                                                                                                                                                         |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N                                   |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                            |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0                                        |  | Equip/Task: 1 |  | Matl Cost: 1,584                                                                                                                                                                  |  | ManDays: 34       |  | Alt No: |  |
| Referenced Authority:                                      |  |                                                |  | Repair Pool:  |  |                                                                                                                                                                                   |  | MCC: 2            |  |         |  |
| Reason:                                                    |  | Problem Description:                           |  |               |  | Recommended Solution:                                                                                                                                                             |  |                   |  |         |  |
| BASELINE                                                   |  | (Q-26241-039)ELECTRIC MOTOR REQUIRES REWINDING |  |               |  | REWIND THE ELECTRIC MOTOR OF THE NON-ATTACHED MAIN LUBE OIL PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-26241-040- -NON ATCHD LO PMP MOT-RPR |  |                                                     |  | MJC: EXECJB54 |  | Rev Date:                                                                                                                                                                                                                                      |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N                                        |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0                                             |  | Equip/Task: 1 |  | Matl Cost: 396                                                                                                                                                                                                                                 |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                     |  |                                                     |  | Repair Pool:  |  |                                                                                                                                                                                                                                                |  | MCC: 2            |  |         |  |
| Reason:                                                   |  | Problem Description:                                |  |               |  | Recommended Solution:                                                                                                                                                                                                                          |  |                   |  |         |  |
| BASELINE                                                  |  | (Q-26241-040)ELECTRIC MOTOR REQUIRES RECONDITIONING |  |               |  | RECONDITION THE ELECTRIC MOTOR OF THE NON-ATTACHED MAIN LUBE OIL PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |  |                   |  |         |  |

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| Task/Abbreviation: Q-26241-041- -NON ATCHD LO PMP MOT BRG-REPL |         |               | MJC: EXECJB56  |            | Rev Date: 2/24/2009 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:   |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 198 | ManDays: 4 | Alt No:             |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 2         |            |                     |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                               |
| BASELINE | (Q-26241-041)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE NON-ATTACHED MAIN LUBE OIL PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-26241-046- -NON ATCHD LO PMP SEAL-REPL |  |                                             |  | MJC: EXECJCD1 |  | Rev Date:                                                                                                                                                                                                                    |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N                                |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                       |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0                                     |  | Equip/Task: 1 |  | Matl Cost: 600                                                                                                                                                                                                               |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                       |  |                                             |  | Repair Pool:  |  |                                                                                                                                                                                                                              |  | MCC: 2            |  |         |  |
| Reason:                                                     |  | Problem Description:                        |  |               |  | Recommended Solution:                                                                                                                                                                                                        |  |                   |  |         |  |
| BASELINE                                                    |  | (Q-26241-046)PUMP SEAL REQUIRES REPLACEMENT |  |               |  | REPLACE THE ROTARY/SCREW NON- ATTACHED MAIN LUBE OIL SERVICE PUMP MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-26241-047- -NON ATCHD LO PMP BRGS - REPL |  |                                                          |  | MJC: EXECJCD2 |  | Rev Date:                                                                                                                                                                                                                                             |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N                                             |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0                                                  |  | Equip/Task: 1 |  | Matl Cost: 800                                                                                                                                                                                                                                        |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                         |  |                                                          |  | Repair Pool:  |  |                                                                                                                                                                                                                                                       |  | MCC: 2            |  |         |  |
| Reason:                                                       |  | Problem Description:                                     |  |               |  | Recommended Solution:                                                                                                                                                                                                                                 |  |                   |  |         |  |
| BASELINE                                                      |  | (Q-26241-047)PUMP SEALS AND BEARINGS REQUIRE REPLACEMENT |  |               |  | REPLACE THE ROTARY/SCREW NON- ATTACHED MAIN LUBE OIL SERVICE PUMP BEARINGS, MECHANICAL SEAL (IF INSTALLED), FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| <b>Task/Abbreviation:</b> Q-26241-048- -NON ATCHD LO PMP RT ASSY-REPL |  |                                                             |  | <b>MJC:</b> EXECJCD3 |  | <b>Rev Date:</b>                                                                                                                                                                                                                                                                     |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                                        |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 12,000                                                                                                                                                                                                                                                             |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                      |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                         |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-26241-048)PUMP ROTATING ASSEMBLY<br>REQUIRES REPLACEMENT |  |                      |  | REPLACE THE ROTARY/SCREW NON- ATTACHED MAIN LUBE OIL<br>SERVICE PUMP ROTATING ASSEMBLY, BEARINGS, MECHANICAL<br>SEAL (IF INSTALLED), FASTENERS, O-RINGS AND KEYS. RECORD<br>POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO<br>PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-26241-049- -NON ATCHD LO PMP - REPL |  |                                        |  | <b>MJC:</b> EXECJCD4 |  | <b>Rev Date:</b>                                                                                                                                                                                            |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 38,000                                                                                                                                                                                    |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                             |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-26241-049)PUMP REQUIRES REPLACEMENT |  |                      |  | REMOVE THE ROTARY/SCREW NON-ATTACHED MAIN LUBE OIL SERVICE PUMP. REPLACE THE PUMP WITH NEW BASED ON CONDITION ASSESSMENT RECOMMENDATIONS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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**Task/Abbreviation:** I-26241-056- -MN LO SYS PMP - MRC G1B5**MJC:** EXECI629**Rev Date:** 8/28/2008**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**(I-26241-056)THE MAIN LUBE OIL SYSTEM PUMP  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE MAIN LUBE OIL SYSTEM PUMP ASSESSMENT IN  
ACCORDANCE WITH MRC G1B5 AS FOLLOWS: 1. INSPECT MOTOR  
DRIVEN LUBE OIL PUMP. 2. PERFORM MOTOR DRIVEN MAIN LUBE  
OIL PUMP OPERATIONAL TEST. REPORT CONDITIONS FOUND TO  
SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN  
THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-26241-057- -MN LO SYS - MRC G1B1 |  |              | MJC: EXECI630 |               | Rev Date: 6/21/2005 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 4     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                       |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                 |  |              | Repair Pool:  |               |                     | MCC: 2     |                   |            |         |  |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-26241-057)THE NON-ATTACHED MAIN LUBE OIL PUMP MOTOR REQUIRES ASSESSMENT. | ACCOMPLISH THE NON-ATTACHED MAIN LUBE OIL PUMP MOTOR ASSESSMENT IN ACCORDANCE WITH MRC G1B1 AS FOLLOWS: 1. INSPECT MOTOR AND CONTROLLER. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-26241-059- -LOSP PMPS VIB TST- MRC G1P1 |  |              |  | MJC: EXECIGC3 |  | Rev Date: 4/28/2006 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-26241-059)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-26241-074- -MN LO COOLER - CLEAN & FLUSH |                                                          |                                           | MJC: EXECQEI6    |            | Rev Date: 3/31/2010 |
| RCM Analysis:                                                 |                                                          | Scheduled: N                              | Sit Reqs:        | Qty: 2     | Removal Required:   |
| Lvl of Maint: 1                                               | Freq: 0                                                  | Equip/Task: 1                             | Matl Cost: 1,500 | ManDays: 4 | Alt No:             |
| Referenced Authority:                                         |                                                          | Repair Pool:                              | MCC: 2           |            |                     |
| Reason:                                                       | Problem Description:                                     | Recommended Solution:                     |                  |            |                     |
| BASELINE                                                      | (Q-26241-074)THE MAIN LUBE OIL COOLER REQUIRES CLEANING. | CLEAN AND FLUSH THE MAIN LUBE OIL COOLER. |                  |            |                     |



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**Task/Abbreviation:** Q-26242-007- -NON ATCHD LO PMP - RPR**MJC:** EXECQ274**Rev Date:****RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,980**ManDays:** 44**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26242-007)PUMP REQUIRES REPAIR

OPEN ROTARY/SCREW PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD ROTOR AND HOUSING BORE DIAMETER, CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT AND ROTOR ASSEMBLY. B. RESURFACE AND MACHINE SHAFT JOURNALS IN WAY OF PACKING AND BEARINGS. C. STONE/DRESS BEARING HOUSING FIT AREAS. D. STONE/DRESS TIMING GEARS. E. RESURFACE AND MACHINE PUMP CASING BORES USING AUTHORIZED COATING SYSTEM. F. STONE/DRESS CASING MATING AND SEALING SURFACE. G. REPLACE PUMP ROTOR SHAFT AND KEY. H. REPLACE PUMP ROTOR ASSEMBLY AND ENSURE ROTOR TO CASING CLEARANCES. I. REPLACE LINER/SLEEVE ASSEMBLY. J. REPLACE PUMP CASING. K. REPLACE TIMING GEAR SET AND ENSURE PROPER CLEARANCES. L. REPLACE TIMING GEAR SPACERS. M. REPLACE THRUST WASHERS AND ENSURE PROPER CLEARANCES. N. REPLACE COUPLING. REASSEMBLE UNIT WITH NEW GASKET, BEARINGS, PACKING, MECHANICAL SEAL (IF INSTALLED), FASTENERS, O RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-26242-011- -MN LO CLR - RPR**MJC:** EXECQ830**Rev Date:** 2/24/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 405**ManDays:** 9**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-26242-011)COOLER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE MAIN LUBE OIL COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY-TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPLACE TUBE SHEETS. H. REPAIR TUBE SUPPORT PLATES. I. REPLACE HEADS. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. CHEMICALLY-CLEAN MAIN LUBE OIL COOLER. L. REPLACE TUBE BUNDLE.

|                                                      |              |               |                |                   |                     |
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| Task/Abbreviation: Q-26242-022- -MN LO CLR - PLUG TB |              |               | MJC: EXECJ452  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 6        | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-26242-022)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26242-023- -MN LO CLR - REPL TB BUNDLE |              |               | MJC: EXECJ454  |                   | Rev Date: 2/24/2009 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-26242-023)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26242-024- -MN LO CLR - REPL TB |              |               | MJC: EXECJ456  |                   | Rev Date: 2/24/2009 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-26242-024)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26242-025- -MN LO CLR - REPL ZINCS |  |                                        |  | MJC: EXECJ458 |  | Rev Date: 2/24/2009                                                                                                                                                                                                                                             |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 405                                                                                                                                                                                                                                                  |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                   |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 2            |  |         |  |
| Reason:                                                 |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                |  | (Q-26242-025)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-26242-026- -MN LO CLR - REROLL TB |              |               | MJC: EXECJ460  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-26242-026)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26242-027- -MN LO CLR - RPR TB SH |              |               | MJC: EXECJ462  |                   | Rev Date: 2/24/2009 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-26242-027)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-26242-028- -MN LO CLR-RPR TB SPRT PLATES |              |               | MJC: EXECJ464  |                   | Rev Date: 2/24/2009 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 405 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-26242-028)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-26242-039- -NON ATCHD LO PMP MOT-RWND |  |                                                |  | <b>MJC:</b> EXECJB53 |  | <b>Rev Date:</b> 5/25/2005                                                                                                                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N                            |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0                                 |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,584                                                                                                                                                           |  | <b>ManDays:</b> 34       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                                                |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                   |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                    |  | <b>Problem Description:</b>                    |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                      |  |                          |  |                |  |
| BASELINE                                                          |  | (Q-26242-039)ELECTRIC MOTOR REQUIRES REWINDING |  |                      |  | REWIND THE ELECTRIC MOTOR OF THE NON-ATTACHED MAIN LUBE OIL PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-26242-040- -NON ATCHD LO PMP MOT-RPR |              |               | MJC: EXECJB55  |                   | Rev Date: 5/25/2005 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 396 | ManDays: 20       | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                        |
| BASELINE | (Q-26242-040)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE NON-ATTACHED MAIN LUBE OIL PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 300-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-26242-041- -NON ATCHD LO PMP MOT BRG-REPL |         |               | MJC: EXECJB57  |            | Rev Date: 2/24/2009 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:   |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 198 | ManDays: 4 | Alt No:             |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 2         |            |                     |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                               |
| BASELINE | (Q-26242-041)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE NON-ATTACHED MAIN LUBE OIL PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26242-046- -NON ATCHD LO PMP SEAL-REPL |  |                                             |  | MJC: EXECJCE3 |  | Rev Date:                                                                                                                                                                                                                    |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N                                |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                       |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0                                     |  | Equip/Task: 1 |  | Matl Cost: 600                                                                                                                                                                                                               |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                       |  |                                             |  | Repair Pool:  |  |                                                                                                                                                                                                                              |  | MCC: 2            |  |         |  |
| Reason:                                                     |  | Problem Description:                        |  |               |  | Recommended Solution:                                                                                                                                                                                                        |  |                   |  |         |  |
| BASELINE                                                    |  | (Q-26242-046)PUMP SEAL REQUIRES REPLACEMENT |  |               |  | REPLACE THE ROTARY/SCREW NON- ATTACHED MAIN LUBE OIL SERVICE PUMP MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-26242-047- -NON ATCHD LO PMP BRGS - REPL |  |                                                          |  | MJC: EXECJCE4 |  | Rev Date:                                                                                                                                                                                                                                             |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N                                             |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                                |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0                                                  |  | Equip/Task: 1 |  | Matl Cost: 800                                                                                                                                                                                                                                        |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                         |  |                                                          |  | Repair Pool:  |  |                                                                                                                                                                                                                                                       |  | MCC: 2            |  |         |  |
| Reason:                                                       |  | Problem Description:                                     |  |               |  | Recommended Solution:                                                                                                                                                                                                                                 |  |                   |  |         |  |
| BASELINE                                                      |  | (Q-26242-047)PUMP SEALS AND BEARINGS REQUIRE REPLACEMENT |  |               |  | REPLACE THE ROTARY/SCREW NON- ATTACHED MAIN LUBE OIL SERVICE PUMP BEARINGS, MECHANICAL SEAL (IF INSTALLED), FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| <b>Task/Abbreviation:</b> Q-26242-048- -NON ATCHD LO PMP RT ASSY-REPL |  |                                                             |  | <b>MJC:</b> EXECJCE5 |  | <b>Rev Date:</b>                                                                                                                                                                                                                                                                     |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                                                        |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 12,000                                                                                                                                                                                                                                                             |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                      |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                         |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-26242-048)PUMP ROTATING ASSEMBLY<br>REQUIRES REPLACEMENT |  |                      |  | REPLACE THE ROTARY/SCREW NON- ATTACHED MAIN LUBE OIL<br>SERVICE PUMP ROTATING ASSEMBLY, BEARINGS, MECHANICAL<br>SEAL (IF INSTALLED), FASTENERS, O-RINGS AND KEYS. RECORD<br>POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO<br>PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-26242-049- -NON ATCHD LO PMP - REPL |  |                                        |  | <b>MJC:</b> EXECJCE6 |  | <b>Rev Date:</b>                                                                                                                                                                                             |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 38,000                                                                                                                                                                                     |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                              |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                 |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-26242-049)PUMP REQUIRES REPLACEMENT |  |                      |  | REMOVE THE ROTARY/SCREW NON- ATTACHED MAIN LUBE OIL SERVICE PUMP. REPLACE THE PUMP WITH NEW BASED ON CONDITION ASSESSMENT RECOMMENDATIONS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |



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| Task/Abbreviation: I-26242-051- -MN LO SYS PMP - MRC G1B5 |  |              | MJC: EXECI632 |               | Rev Date: 8/28/2008 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                   |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 4     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                           |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                     |  |              | Repair Pool:  |               |                     | MCC: 2     |                   |            |         |  |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-26242-051)THE MAIN LUBE OIL SYSTEM PUMP REQUIRES ASSESSMENT. | ACCOMPLISH THE MAIN LUBE OIL SYSTEM PUMP ASSESSMENT IN ACCORDANCE WITH MRC G1B5 AS FOLLOWS: 1. INSPECT MOTOR DRIVEN LUBE OIL PUMP. 2. PERFORM MOTOR DRIVEN MAIN LUBE OIL PUMP OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-26242-052- -MN LO SYS - MRC G1B1**MJC:** EXECI633**Rev Date:** 6/21/2005**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**

(I-26242-052)THE NON-ATTACHED MAIN LUBE OIL PUMP MOTOR REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE NON-ATTACHED MAIN LUBE OIL PUMP MOTOR ASSESSMENT IN ACCORDANCE WITH MRC G1B1 AS FOLLOWS: 1. INSPECT MOTOR AND CONTROLLER. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-26242-053- -LOSP PMPS VIB TST- MRC G1P1 |  |              |  | MJC: EXECIGC4 |  | Rev Date: 4/28/2006 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-26242-053)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-26242-070- -MN LO COOLER - CLEAN & FLUSH |         |               | MJC: EXECQEI7    |            | Rev Date: 3/31/2010 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:        | Qty: 2     | Removal Required:   |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,500 | ManDays: 4 | Alt No:             |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2           |            |                     |

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| Reason:  | Problem Description:                                     | Recommended Solution:                     |
| BASELINE | (Q-26242-070)THE MAIN LUBE OIL COOLER REQUIRES CLEANING. | CLEAN AND FLUSH THE MAIN LUBE OIL COOLER. |

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| Task/Abbreviation: Q-26431-002- -LO PURIFIER - RPR |              |               | MJC: EXECQ833    |                   | Rev Date: |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |           |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,475 | ManDays: 55       | Alt No:   |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 2           |                   |           |

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| Reason:  | Problem Description:                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-26431-002)PURIFIER REQUIRES REPAIR | REQUEST SERVICES OF A QUALIFIED OEM TECHNICAL REPRESENTATIVE. REPAIR THE LUBE OIL PURIFIER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE, DISASSEMBLE, CLEAN AND INSPECT PARTS AND COMPONENTS. ON COMPLETION OF REPAIRS, PER OEM TECHNICAL REPRESENTATIVE DIRECTIONS AND AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW BEARINGS, GASKETS, O-RINGS AND PACKING. CALIBRATE GAUGES AND THERMOMETERS. TEST AND SET RELIEF VALVES. ALIGN MOTOR TO PURIFIER, ADJUST AND LUBRICATE. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. STRAIGHTEN SHAFT TO WITHIN 0.0005 INCHES TIR. B. REPLACE WORM (DRIVER HELICAL GEAR). C. REPLACE WORM GEAR (DRIVEN HELICAL GEAR). D. BALANCE PURIFIER BOWL AND SPINDLE ASSEMBLY. E. REPLACE PUMP DRIVEN GEAR AND SHAFT ASSEMBLY. F. REPLACE DESIGNATED PUMP DRIVEN GEARS. G. REPAIR PURIFIED OIL DISCHARGE/DIRTY OIL FEED PUMP(S). H. REPLACE PURIFIED OIL DISCHARGE/DIRTY OIL FEED PUMP(S). I. REPAIR BRAKE ASSEMBLY. |

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| Task/Abbreviation: Q-26431-005- -LO PURIFIER HTR - RPR |         |               |                | MJC: EXECQB36 |         | Rev Date:         |  |
| RCM Analysis:                                          |         | Scheduled: N  | Sit Reqs:      |               | Qty: 2  | Removal Required: |  |
| Lvl of Maint: 1                                        | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10   | Alt No: |                   |  |
| Referenced Authority:                                  |         | Repair Pool:  |                | MCC: 2        |         |                   |  |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-26431-005)HEATER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE LUBE OIL PURIFIER HEATER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST HEATER SHELL AND TUBE SIDES AND REMOVE WATER BOXES FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE TUBES. B. REPLACE ZINCS. |

|                                                       |              |               |                |                   |                     |
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| Task/Abbreviation: Q-26431-011- -LO PURIFIER MOT-RWND |              |               | MJC: EXECJC09  |                   | Rev Date: 5/23/2005 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 2                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 216 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                           |
| BASELINE | (Q-26431-011)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE LUBE OIL PURIFIER MOTOR IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-26431-012- -LO PURIFIER MOT - RPR |  |              |  | MJC: EXECJC10 |  | Rev Date: 3/26/2010 |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 120      |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                        |
| BASELINE | (Q-26431-012)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE LUBE OIL PURIFIER MOTOR IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |



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| <b>Task/Abbreviation:</b> Q-26431-013- -LO PURIFIER MOT BRG-REPL |  |                                           |  | <b>MJC:</b> EXECJC11 |  | <b>Rev Date:</b> 5/23/2005                                                                                                    |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N                       |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                 |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                           |  | <b>Freq:</b> 0                            |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 60                                                                                                          |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                                           |  | <b>Repair Pool:</b>  |  |                                                                                                                               |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                   |  | <b>Problem Description:</b>               |  |                      |  | <b>Recommended Solution:</b>                                                                                                  |  |                          |  |                |  |
| BASELINE                                                         |  | (Q-26431-013)BEARINGS REQUIRE REPLACEMENT |  |                      |  | DISASSEMBLE THE LUBE OIL PURIFIER MOTOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-26431-014- -LO PUR (SFT/GEARS) - RPR/REPL |              |               | MJC: EXECJE97    |                   | Rev Date: 5/23/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,475 | ManDays: 14       | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-26431-014)WORM DRIVE AND HELICAL GEAR REQUIRES REPLACEMENT | REQUEST SERVICES OF A QUALIFIED OEM TECHNICAL REPRESENTATIVE. REMOVE, DISASSEMBLE AND CLEAN THE LUBE OIL PURIFIER TO THE EXTENT NECESSARY TO STRAIGHTEN THE SHAFT, REPLACE WORM (DRIVER HELICAL GEAR) AND WORM GEAR (DRIVEN HELICAL GEAR). INSPECT PARTS AND COMPONENTS. ON COMPLETION OF REPAIRS, PER OEM TECHNICAL REPRESENTATIVE DIRECTIONS AND AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW BEARINGS, GASKETS, O-RINGS AND PACKING. CALIBRATE GAUGES AND THERMOMETERS. TEST AND SET RELIEF VALVES. ALIGN MOTOR TO PURIFIER, ADJUST AND LUBRICATE. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. STRAIGHTEN SHAFT TO WITHIN 0.0005 INCHES TIR. B. REPLACE WORM (DRIVER HELICAL GEAR). C. REPLACE WORM GEAR (DRIVEN HELICAL GEAR). |

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| Task/Abbreviation: Q-26431-015- -LO PUR (GEARS/SFT) - REPL |              |               | MJC: EXECJE98    |                   | Rev Date: 5/23/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,475 | ManDays: 19       | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-26431-015)PURIFIER INTERNALS REQUIRE REPLACEMENT | REQUEST SERVICES OF A QUALIFIED OEM TECHNICAL REPRESENTATIVE. REMOVE, DISASSEMBLE AND CLEAN THE LUBE OIL PURIFIER TO THE EXTENT NECESSARY TO REPLACE THE WORM (DRIVER HELICAL GEAR), THE WORM GEAR (DRIVEN HELICAL GEAR) AND THE PUMP DRIVEN GEAR AND SHAFT ASSEMBLY. INSPECT PARTS AND COMPONENTS. ON COMPLETION OF REPAIRS, PER OEM TECHNICAL REPRESENTATIVE DIRECTIONS AND AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW BEARINGS, GASKETS, O-RINGS AND PACKING. CALIBRATE GAUGES AND THERMOMETERS. TEST AND SET RELIEF VALVES. ALIGN MOTOR TO PURIFIER, ADJUST AND LUBRICATE. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE WORM (DRIVER HELICAL GEAR). B. REPLACE WORM GEAR (DRIVEN HELICAL GEAR). C. REPLACE PUMP DRIVEN GEAR AND SHAFT ASSEMBLY. |

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| Task/Abbreviation: Q-26431-016- -LO PUR (BOWL ASSY) - RPR |              |               | MJC: EXECJE99    |                   | Rev Date: 5/23/2005 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,475 | ManDays: 6        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-26431-016)BOWL ASSEMBLY REQUIRES REPAIR AND BALANCE | REQUEST SERVICES OF A QUALIFIED OEM TECHNICAL REPRESENTATIVE. REMOVE, DISASSEMBLE AND CLEAN THE LUBE OIL PURIFIER TO THE EXTENT NECESSARY TO REPAIR AND BALANCE THE BOWL ASSEMBLY. INSPECT PARTS AND COMPONENTS. ON COMPLETION OF REPAIRS, PER OEM TECHNICAL REPRESENTATIVE DIRECTIONS AND AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW BEARINGS, GASKETS, O-RINGS AND PACKING. CALIBRATE GAUGES AND THERMOMETERS. TEST AND SET RELIEF VALVES. ALIGN MOTOR TO PURIFIER, ADJUST AND LUBRICATE. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE DISC SET(S) AS NECESSARY. B. REPAIR AND BALANCE BOWL ASSEMBLY. |

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| Task/Abbreviation: Q-26431-017- -LO PUR (FD PMPS) - RPR |  |              |               | MJC: EXECJAA0 |                  | Rev Date: 5/26/2005 |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N | Sit Reqs:     |               | Qty: 2           |                     | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      | Equip/Task: 1 |               | Matl Cost: 2,475 |                     | ManDays: 17       |  | Alt No: |  |
| Referenced Authority:                                   |  |              |               | Repair Pool:  |                  | MCC: 2              |                   |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-26431-017)PUMP REQUIRES REPAIR | REQUEST SERVICES OF A QUALIFIED OEM TECHNICAL REPRESENTATIVE. REMOVE, DISASSEMBLE AND CLEAN THE LUBE OIL PURIFIER TO THE EXTENT NECESSARY TO REPAIR THE PURIFIED OIL DISCHARGE/DIRTY OIL FEED PUMP(S). INSPECT PARTS AND COMPONENTS. ON COMPLETION OF REPAIRS, PER OEM TECHNICAL REPRESENTATIVE DIRECTIONS AND AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW BEARINGS, GASKETS, O-RINGS AND PACKING. CALIBRATE GAUGES AND THERMOMETERS. TEST AND SET RELIEF VALVES. ALIGN MOTOR TO PURIFIER, ADJUST AND LUBRICATE. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPAIR PURIFIED OIL DISCHARGE/DIRTY OIL FEED PUMP(S). |

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| Task/Abbreviation: Q-26431-018- -LO PUR (FD PMPS) - REPL |              |               | MJC: EXECJAA1    |                   | Rev Date: 5/26/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,475 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-26431-018)PUMP REQUIRES REPLACEMENT | REQUEST SERVICES OF A QUALIFIED OEM TECHNICAL REPRESENTATIVE. REMOVE, DISASSEMBLE AND CLEAN THE LUBE OIL PURIFIER TO THE EXTENT NECESSARY TO REPLACE THE PURIFIED OIL DISCHARGE/DIRTY OIL FEED PUMP(S). INSPECT PARTS AND COMPONENTS. ON COMPLETION OF REPAIRS, PER OEM TECHNICAL REPRESENTATIVE DIRECTIONS AND AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW BEARINGS, GASKETS, O-RINGS AND PACKING. CALIBRATE GAUGES AND THERMOMETERS. TEST AND SET RELIEF VALVES. ALIGN MOTOR TO PURIFIER, ADJUST AND LUBRICATE. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE PURIFIED OIL DISCHARGE/DIRTY OIL FEED PUMP(S). |

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| Task/Abbreviation: Q-26431-019- -LO PUR (BRAKE ASSY) - RPR |              |               | MJC: EXECJAA2    |                   | Rev Date: 5/23/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,475 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                      | Repair Pool: | MCC: 2        |                  |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-26431-019)BRAKE ASSEMBLY REQUIRES REPAIR | REQUEST SERVICES OF A QUALIFIED OEM TECHNICAL REPRESENTATIVE. REMOVE, DISASSEMBLE AND CLEAN THE LUBE OIL PURIFIER TO THE EXTENT NECESSARY TO REPAIR THE BRAKE ASSEMBLY. INSPECT PARTS AND COMPONENTS. ON COMPLETION OF REPAIRS, PER OEM TECHNICAL REPRESENTATIVE DIRECTIONS AND AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW BEARINGS, GASKETS, O-RINGS AND PACKING. CALIBRATE GAUGES AND THERMOMETERS. TEST AND SET RELIEF VALVES. ALIGN MOTOR TO PURIFIER, ADJUST AND LUBRICATE. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPAIR BRAKE ASSEMBLY. |

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| Task/Abbreviation: I-26431-021- -LO PURIFER SYS - MRC G1E3 |              |               | MJC: EXECI634 |                   | Rev Date: 4/12/2005 |
| RCM Analysis: 7/12/2004                                    | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 3                                            | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-26431-021)THE LUBE OIL FILL, TRANSFER AND PURIFICATION SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE LUBE OIL FILL, TRANSFER AND PURIFICATION SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC G1E3 AS FOLLOWS: 1. INSPECT LUBE OIL FILL, TRANSFER AND PURIFICATION SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-26431-027- -LO PUR VIB TST - MRC G1P1 |  |              | MJC: EXECIGC6 |               | Rev Date: 4/28/2006 |            |                   |            |         |  |
| RCM Analysis:                                              |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                            |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                      |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-26431-027)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-31111-002- -SSTG TURB BRG - RPR**MJC:** EXECQBK3**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-002)TURBINE BEARINGS REQUIRE REPAIR

INSPECT AND REPAIR OR REPLACE THE DESIGNATED TURBINE BEARINGS OF THE SSTG SET PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT ALL BRG HOUSING & BRG FINISHED SURFACES ARE CLEAN. ACCOMPLISH AS-FOUND BEARING PINCH CHECKS. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES, BEARING AND JOURNAL DIMENSIONS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF AUTHORIZED RPRS FROM FOLLOWING LIST, ASSEMBLE BRG HOUSINGS & ENSURE BEARING HOUSINGS CONCENTRICITY AND PERPENDICULARITY TO UNIT CENTERLINE. A. RESURFACE AND MACHINE DESIGNATED JOURNALS. B. REPLACE DESIGNATED OIL DEFLECTORS. C. GRIND OR REPLACE THRUST COLLAR. D. REPLACE DESIGNATED THRUST BRG SHOES (ACT/INACTIVE). E. GRIND DESIGNATED THRUST BRG RETAINING RINGS (A/I). F. REPL DESIGNATED THRUST BRG RETAINING RINGS (A/I). G. GRIND DESIGNATED THRUST BRG SHIMS(ACTIVE/INACTIVE). H. REPL DESIGNATED THRUST BRG SHIMS (ACTIVE/INACTIVE). I. REBABBIT DESIGNATED JOURNAL BEARINGS. J. REPLACE DESIGNATED JOURNAL BEARINGS.

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**Task/Abbreviation:** Q-31111-003- -SSTG SPD GOV - RPR**MJC:** EXECQBK4**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 360**ManDays:** 8**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-003)GOVERNOR REQUIRES REPAIR

ACCOMPLISH AUTHORIZED REPAIRS TO THE ELECTRO-HYDRAULIC SPEED GOVERNOR SYSTEM OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET PER CONDITION ASSESSMENT AND/OR FTSC/OEM RECOMMENDATIONS. DISCONNECT GOVERNOR LINKAGE, TUBE FITTINGS, ELECTRICAL WIRING AND MOUNTING FLANGE. SHIP TO QUALIFIED MAINTENANCE FACILITY FOR TEST STAND EVALUATION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, ASSEMBLE COMPONENTS USING NEW GASKETS, O-RINGS, RETAINING RINGS AND SEALS AND ENSURE OIL PASSAGES ARE FREE FROM FOREIGN MATTER. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY POST-REPAIRS TEST STAND TEST. REINSTALL GOVERNOR AND CONNECT MOUNTING FLANGE, TUBE FITTINGS, ELECTRICAL WIRING AND LINKAGE. PROVIDE TECHNICAL REPRESENTATIVE FOR IN-PLACE ACCOMPLISHMENT OF SPEED REGULATION ADJUSTMENT AND A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-31111-004- -SSTG THROTTLE VLV - RPR**MJC:** EXECQ288**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 90**ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-004)TRIP/THROTTLE VALVE REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE TRIP AND THROTTLE VALVE ASSEMBLY OF THE SHIPS SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE INSULATION, DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING HYDRAULIC OPERATING MECHANISM. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW GASKETS, REPLACE MISSING OR UNSERVICEABLE FASTENERS AND REINSULATE VALVE ASSEMBLY. A. RESURFACE AND MACHINE VALVE STEM (INCLUDE PILOT VALVE). B. REPLACE VALVE STEM (INCLUDE PILOT VALVE). C. RESURFACE AND MACHINE MAIN VALVE. D. GRIND AND LAP VALVE SEATS (MAIN AND PILOT). E. REPLACE VALVE SEAT (MAIN). F. REPLACE VALVE STEM BUSHING(S). G. REPLACE PILOT VALVE. H. REPLACE PILOT VALVE BUSHING. I. REPLACE DUMP VALVE. J. REPAIR STEAM STRAINER. K. REPLACE STEAM STRAINER. TEST HYDRAULIC OPERATING MECHANISM AND ADJUST TRIP DEVICE LINKAGE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-31111-005- -SSTG INL STM VLV GR - RPR**MJC:** EXECQ289**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-005)CONTROL VALVE REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE INLET STEAM CONTROL VALVE GEAR ASSEMBLY (LIFTING BEAM TYPE) OF THE SHIPS SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE VALVE COVER OFF TURBINE CASING AND INSTALL PROTECTIVE COVER ON TURBINE CASING. DISASSEMBLE, INSPECT AND NDT VALVE GEAR COMPONENTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. A. REPAIR LIFTING BEAM. B. REPLACE LIFTING BEAM. C. REPAIR VALVE STEMS. D. REPLACE VALVE STEMS. E. REPLACE VALVE STEM BUSHINGS. F. RESURFACE AND MACHINE VALVES. G. REPLACE VALVES. H. RESURFACE AND MACHINE VALVE SEATS. I. REPLACE VALVE SEATS. ENSURE THAT VALVE COVER AND TURBINE CASING JOINTS ARE IN GOOD CONDITION. SET CRACKING POINT ON VALVES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-31111-006- -SSTG RDCN GR - RPR**MJC:** EXECQ290**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 6,750**ManDays:** 150**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-006)REDUCTION GEAR REQUIRES REPAIR

DISCONNECT & RMV INTERFERENCES & RMV UPPER HALF OF RDCN GEAR CASE FOR INTERNAL EXAM. INSP GEAR TOOTH CONTACT & EXAMINE BRGS. ACCOMP BLUE CONTACT CHECK OF GEAR TEETH. HAND WIPE/CLEAN GEAR SUMP. MEAS/RECORD BRG & THRUST CLEARANCES & JOURNAL CONDITION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. UPON COMP OF RPRS, AS AUTH FROM THE FOLLOWING LIST, REASSEM UNIT USING NEW GSKTS/JTING COMPOUND. PROV RECORD OF POST RPR RUNNING CLEARANCES & ALIGNMENT DATA. INSTALL MUSLIN BAGS IN STR BSKT & OP UNIT IN UNLOADED COND MINIMUM OF ONE HOUR. CK BAGS AT 30 MINUTE INTERVALS UNTIL CLEAN. A. POLISH/STONE GEAR TEETH. B. REPLACE/REBABBIT BEARINGS. C. REMOVE GEARS TO SHOP AND MACHINE/POLISH JOURNALS. D. REMOVE, DISMANTLE AND INSPECT QUILL SHAFT ASSEMBLY. F. DISCONNECT/CLN & PICKLE EXTERNAL LUBE OIL PIPING. G. REPLACE DESIGNATED OIL DEFLECTORS.

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|------------------------------------------------------|--------------|---------------|------------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-007- -SSTG A.C. GEN - RPR |              |               | MJC: EXECQ291    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,710 | ManDays: 38       | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 1           |                   |                    |

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|----------|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31111-007)GENERATOR REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE FOLLOWING DESIGNATED COMPONENTS OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. UPON COMPLETION OF REPAIRS, REINSTALL COMPONENTS REPLACING MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. CONTROLLER / CONTROL PANEL B. COUPLING C. FOUNDATION D. GENERATOR E. INSTRUMENTATION F. MOTOR G. MOUNTS, RESILIENT (REPLACEMENT). |

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**Task/Abbreviation:** Q-31111-008- -SSTG TURB - RPR**MJC:** EXECQ835**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 6,750**ManDays:** 150**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-008)TURBINE REQUIRES REPAIR

OPEN TURBINE CASING AND REMOVE THE ROTATING ASSEMBLY TO SHOP. CLEAN AND INSPECT ALL PARTS. REPORT CONDITIONS FOUND TO THE NSA. BLAST CLEAN TURBINE ROTOR WITH ALUMINUM OXIDE. DYE-CHECK ROTOR ASSEMBLY BLADING/SHROUDS FOR CRACKS. CLEAN AND DYE-CHECK STATIONARY BLADING NOZZLES IN PLACE. DYNAMICALLY BALANCE ROTOR ASSEMBLY. UPON COMPLETION OF REPAIRS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW CARBON PACKING, LABYRINTH SEALS, GASKETS AND JOINTING COMPOUND. MEASURE AND RECORD ALL AS-RELEASED RUNNING CLEARANCES AND ALIGNMENT DATA. SHIP'S FORCE WILL CONDUCT OPERATIONAL TEST. A. CHROME/MACHINE JOURNALS. B. REMOVE STATIONARY BLADING/NOZZLES, DRESS AND REPAIR. C. DISMANTLE THROTTLE VALVE ASSEMBLY. INSPECT AND PROVIDE REPORT. DYE CHECK/BLUE SEATS AND REPAIR AS NEEDED. D. REBABBIT/REPLACE BEARINGS. E. REPLACE OIL DEFLECTORS. F. RESET ROTOR POSITION INDICATORS. G. RE-ESTABLISH BEARING CLEARANCE CONSTANTS. J. REPAIR TURBINE CASING RELIEF VALVE.



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**Task/Abbreviation:** Q-31111-009- -SSTG LO CLR - RPR**MJC:** EXECQB37**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-009)COOLER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE.

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**Task/Abbreviation:** Q-31111-010- -SSTG AIR CLR - RPR**MJC:** EXECQB42**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-010)COOLER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE.

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|--------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-011- -SSTG A.C. GEN - ALIGN |              |               | MJC: EXECQB47  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31111-011)A.C. GENERATOR REQUIRES ALIGNMENT | ALIGN THE A.C. GENERATOR OF THE SHIP SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. MEASURE AND RECORD AS-FOUND CLEARANCES AND ALIGNMENT DATA. ENSURE THE GENERATOR BEARING, FIELD ROTOR AND STATOR ARE ALL WITHIN THE SAME CENTERLINE. ALIGN FIELD ROTOR TO THE REDUCTION GEAR LOW SPEED SHAFT. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP INCLUDING FINAL ALIGNMENT READINGS. A. ACCOMPLISH REQUIRED ALIGNMENT CORRECTIONS. B. INSTALL NEW GENERATOR STATOR-TO-FOUNDATION DOWELS. |

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**Task/Abbreviation:** Q-31111-012- -SSTG SET - OIL FLUSH**MJC:** EXECQB52**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-012)SHIP SERVICE TURBINE GENERATOR  
SET REQUIRES AN OIL FLUSHACCOMPLISH AN OIL FLUSH OF THE SHIP SERVICE TURBINE  
GENERATOR SET AFTER DISCONNECTING, CLEANING AND PICKLING  
THE EXTERNAL LUBE OIL PIPING, INCLUDING THE OIL SPRAY  
NOZZLES. ENSURE THAT OIL SUMP IS CLEAN AND FREE FROM  
FOREIGN MATTER. REASSEMBLE ALL BEARINGS, BEARING  
HOUSINGS AND UPPER HALF COVERS. USE A FULL-CAPACITY OIL  
PUMP FOR OIL FLUSHING AND ENSURE THAT BEARINGS ARE  
BY-PASSED. FLUSH THROUGH ONE BEARING HOUSING AT A TIME  
ENSURING MAXIMUM FLOW AND PRESSURE DROP AND UNTIL OIL  
CONDITION PROVES TO BE FREE FROM FOREIGN MATTER. CLEAN  
LUBE OIL SUMP (POST- FLUSHING). FLUSH THROUGH INSTALLED  
FILTER SYSTEM UNTIL VISUAL AND DELTA PRESSURE READINGS  
ARE ACCEPTABLE. ENSURE THAT NO FOREIGN MATTER IS  
PRESENT WITHIN SYSTEM BEFORE LOADING UNIT.

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|----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-014- -SSTG ATCHD LO PMP - RPR |              |               | MJC: EXECQ148  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 360 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31111-014)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE ROTARY GEAR PUMP. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|---------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-015- -SSTG AIR CLR - PLUG TB |              |               | MJC: EXECJ831  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31111-015)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31111-016- -SSTG AIR CLR - REPL BUNDLE |  |              |  | MJC: EXECJ836 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450 |  | ManDays: 13       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31111-016)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|---------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-017- -SSTG AIR CLR - REPL TB |              |               | MJC: EXECJ841  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31111-017)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31111-018- -SSTG AIR CLR - REPL ZINCS |  |                                        |  | MJC: EXECJ846 |  | Rev Date: 9/2/2011                                                                                                                                                                                                                                              |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 450                                                                                                                                                                                                                                                  |  | ManDays: 6        |  | Alt No: |  |
| Referenced Authority:                                      |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 2            |  |         |  |
| Reason:                                                    |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                   |  | (Q-31111-018)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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|-----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-019- -SSTG AIR CLR - REROLL TB |              |               | MJC: EXECJ851  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31111-019)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-020- -SSTG AIR CLR - RPR TB SH |              |               | MJC: EXECJ856  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31111-020)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|--------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-021- -SSTG AIR CLR - RPR TB SPRTS |              |               | MJC: EXECJ861  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31111-021)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|--------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-022- -SSTG LO CLR - PLUG TB |              |               | MJC: EXECJ866  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31111-022)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|---------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-023- -SSTG LO CLR - REPL TB BUNDLE |              |               | MJC: EXECJ871  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31111-023)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31111-024- -SSTG LO CLR - REPL TB |              |               | MJC: EXECJ876  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31111-024)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31111-025- -SSTG LO CLR - REPL ZINCS |  |                                        |  | <b>MJC:</b> EXECJ881 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450                                                                                                                                                                                                                                           |  | <b>ManDays:</b> 6        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                 |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                   |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                    |  |                          |  |                |  |
| BASELINE                                                         |  | (Q-31111-025)ZINCS REQUIRE REPLACEMENT |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |



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|----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-026- -SSTG LO CLR - REROLL TB |              |               | MJC: EXECJ886  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31111-026)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31111-027- -SSTG LO CLR - RPR TB SH |              |               | MJC: EXECJ891  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31111-027)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31111-028- -SSTG LO CLR - RPR TB SPRT PLTS |  |              |  | MJC: EXECJ896 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450     |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31111-028)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-31111-029- -SSTG AC GEN W/RTR RMV-CLN**MJC:** EXECJ996**Rev Date:** 9/2/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 540 **ManDays:** 3 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:** **Problem Description:** **Recommended Solution:**

BASELINE (Q-31111-029)ROTOR ASSEMBLY REQUIRES REPAIR

OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING AND ROTATING ASSEMBLIES. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. RECONDITION EXCITER AND MAIN ROTOR IN ACCORDANCE WITH THE REQUIREMENTS OF 009-17. REPAIR END BELLS. IN PLACE CLEAN, RINSE, & DRY THE STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. INSTALL NEW BEARINGS, SEALS AND GASKETS. INSTALL ROTATING ASSEMBLIES AND BRUSH RIGGING. ALIGN THE GENERATOR. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-31111-030- -SSTG AC GEN SLIP RINGS-REPL**MJC:** EXECJA01**Rev Date:** 9/2/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 135**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-030)SLIP RINGS REQUIRE REPLACEMENT

OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. DISASSEMBLE. REMOVE BRUSH RIGGING. CLEAN BRUSH RIGGING. REPLACE SLIP RINGS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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|----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-031- -SSTG AC GEN RTD(S)-REPL |              |               | MJC: EXECJA06  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 135 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 1         |                   |                    |

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|----------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                                        |
| BASELINE | (Q-31111-031)RESISTIVE TEMPERATURE DETECTOR(S) (RTD) REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD CONTINUITY OF RTD(S) CIRCUITRY OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE DEFECTIVE RTD(S). VERIFY CONTINUITY OF RTD(S) CIRCUITRY. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-31111-032- -SSTG AC GEN IN PLACE-CLN**MJC:** EXECJA11**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 495**ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-032)A.C. GENERATOR REQUIRES  
CLEANING

OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. REPLACE OR MACHINE, CLEAN AND POLISH SLIP RINGS. IN PLACE CLEAN, RINSE, & DRY THE ROTOR AND STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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|-----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-033- -SSTG AC GEN BRUSHES-REPL |              |               | MJC: EXECJA16  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 135 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                        |
| BASELINE | (Q-31111-033)BRUSHES REQUIRE REPLACEMENT | OPEN AND INSPECT THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE AND ADJUST BRUSHES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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|------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-034- -SSTG AC GEN BEARINGS-REPL |              |               | MJC: EXECJA21  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 270 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31111-034)BEARINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE BEARINGS, SEALS, AND GASKETS. ALIGN THE GENERATOR. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-31111-035- -SSTG JOURNAL BRGS - RPR**MJC:** EXECJAY1**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31111-035)BEARINGS REQUIRE REPAIR

REPAIR SSTG TURBINE JOURNAL BEARINGS AS FOLLOWS: REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. DISASSEMBLE BEARING. CLEAN AND EXAMINE THE BEARING FOR WEAR OR DEFECTS. REBABBIT/REPAIR BEARINGS THAT ARE OUT OF TOLERANCE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THE BEARING AND REINSTALL. ENSURE OIL PASSAGE TO THE BEARING IS FREE OF DIRT OR DEBRIS. ASSEMBLE BEARING HOUSING AND ENSURE BEARING HOUSING CONCENTRICITY AND PERPENDICULARITY TO UNIT CENTERLINE. ESTABLISH NEW BEARING CONSTANT. OPERATIONALLY TEST.

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|--------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31111-036- -SSTG THRUST BRG - RPR |              |               | MJC: EXECJAY2  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-31111-036)THRUST BEARING REQUIRES REPAIR | REPAIR SSTG TURBINE THRUST BEARING AS FOLLOWS: REMOVE BEARING COVER. DISASSEMBLE THE THRUST BEARING. INSPECT THRUST COLLAR, SHOES AND PADS. REPAIR/REPLACE PARTS FOUND UNSUITABLE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THRUST BEARING AND SHIM AS NECESSARY TO OBTAIN THRUST CLEARANCE. INSTALL BEARING COVER. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31111-037- -SSTG RDCN GR BRGS - REPL |              |               | MJC: EXECJAY3    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,625 | ManDays: 100      | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-31111-037)BEARINGS REQUIRE REPLACEMENT | REPLACE SSTG REDUCTION GEAR BEARINGS. REMOVE THE REDUCTION GEAR COVER. REMOVE THE FORWARD AND AFT HIGH SPEED SHAFT AND THE LOW SPEED SHAFT BEARINGS IN ACCORDANCE WITH THE APPLICABLE TECH MANUAL. INSPECT/MEASURE BEARINGS FOR SURFACE DEFECTS AND WEAR. REPLACE BEARINGS THAT EXCEED WEAR SPECS. REINSTALL REDUCTION GEAR COVER. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31111-038- -RDCN GR OIL DEFLECTORS - REPL |         |               | MJC: EXECJAY4    |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:        | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 5 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3           |            |                    |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                       |
| BASELINE | (Q-31111-038)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE SSTG REDUCTION GEAR OIL DEFLECTORS AS FOLLOWS:<br>REMOVE GEAR COVER. REMOVE OLD DEFLECTORS. STONE SHAFT<br>IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS.<br>OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31111-039- -SSTG TURB ROTOR INDICATOR-RPR |         |               | MJC: EXECJAY5  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 2 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                      |
| BASELINE | (Q-31111-039)TURBINE ROTOR POSITION INDICATOR REQUIRES REPAIR | REPAIR SSTG TURBINE ROTOR POSITION INDICATOR AS FOLLOWS:<br>REMOVE INDICATOR FROM TURBINE. CLEAN AND INSPECT.<br>REPLACE ANY PARTS FOUND DEFECTIVE. VERIFY PROPER ROTOR AXIAL POSITION. REINSTALL AND CALIBRATE INDICATOR. |

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| <b>Task/Abbreviation:</b> Q-31111-040- -SSTG TURB LABYRINTHS - REPL |  |                     |  | <b>MJC:</b> EXECJAY6 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675     |  | <b>ManDays:</b> 2        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                 | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                      |
| BASELINE       | (Q-31111-040)LABYRINTH REQUIRES REPLACEMENT | REPLACE SSTG TURBINE LABYRINTH SEALS AS FOLLOWS:<br>DISASSEMBLE, CLEAN AND EXAMINE THE LABYRINTH STEAM SEAL ASSEMBLIES FOR WEAR AND DEFECTS. POLISH THE SHAFT IN WAY OF SEAL REMOVALS. REPLACE WITH NEW LABYRINTH PACKING ASSEMBLIES. REASSEMBLE AND RELAG CASING AND PIPING. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31111-041- -SSTG TURB OIL DEFLECTORS-REPL |         |               | MJC: EXECJAY7  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 2 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                    |
| BASELINE | (Q-31111-041)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE SSTG TURBINE OIL DEFLECTORS AS FOLLOWS: REMOVE OLD DEFLECTORS. STONE SHAFT IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS. OPERATIONALLY TEST. |



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| <b>Task/Abbreviation:</b> Q-31111-042- -SSTG CASING RELIEF VLV - RPR |                                           | <b>MJC:</b> EXECJAY8                                                                                                                                                                                            | <b>Rev Date:</b> 9/2/2011 |
| <b>RCM Analysis:</b>                                                 | <b>Scheduled:</b> N                       | <b>Sit Reqs:</b>                                                                                                                                                                                                | <b>Qty:</b> 4             |
| <b>Lvl of Maint:</b> 1                                               | <b>Freq:</b> 0                            | <b>Equip/Task:</b> 1                                                                                                                                                                                            | <b>Matl Cost:</b> 4,725   |
| <b>Referenced Authority:</b>                                         |                                           | <b>Repair Pool:</b>                                                                                                                                                                                             | <b>ManDays:</b> 74        |
|                                                                      |                                           | <b>MCC:</b> 3                                                                                                                                                                                                   | <b>Alt No:</b>            |
| <b>Reason:</b>                                                       | <b>Problem Description:</b>               | <b>Recommended Solution:</b>                                                                                                                                                                                    |                           |
| BASELINE                                                             | (Q-31111-042)RELIEF VALVE REQUIRES REPAIR | REPAIR SSTG CASING RELIEF VALVE. REMOVE VALVE TO SHOP AND ACCOMPLISH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-52. ON COMPLETION OF REPAIRS, REINSTALL VALVE AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                           |

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| Task/Abbreviation: Q-31111-043- -SSTG ATCHD LO PMP CSG-REPL |         |               | MJC: EXECJCF3 |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:     | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 90 | ManDays: 1 | Alt No:            |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 2        |            |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31111-043)PUMP CASING REQUIRES REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ROTARY/GEAR) OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE THE OUTER CASING. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31111-044- -SSTG ATCHD LO PMP INT-REPL |              |               | MJC: EXECJCF4  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 270 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31111-044)PUMP INTERNALS REQUIRE REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ROTARY/GEAR) OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE PUMP INTERNALS AS A MATCHED SET (INTERNAL REPLACEMENT KIT) PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF INTERNAL REPLACEMENT REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-31111-078- -SSTG VIB TST - MRC G1P1 |              |               | MJC: EXECIGC7 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-31111-078)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|---------|---------------|---------------|------------|--------------------|
| Task/Abbreviation: I-31111-079- -SSTG TURB LABYRINTH - MRC A5I0 |         |               | MJC: EXECIIT5 |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:     | Qty: 4     | Removal Required:  |
| Lvl of Maint: 3                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 2 | Alt No:            |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3        |            |                    |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-31111-079)TURBINE LABYRINTH PACKING REQUIRES ASSESSMENT. | ACCOMPLISH SSTG TURBINE LABYRINTH PACKING ASSESSMENT IN ACCORDANCE WITH MRC A5I0 AS FOLLOWS: 1. INSPECT TURBINE LABYRINTH PACKING. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|--------------|---------------|--------------|-------------------|---------------------|
| Task/Abbreviation: I-31111-082- -SSTG GLAND SEAL REG - MRC A4V5 |              |               | MJC: EXECIY9 |                   | Rev Date: 2/23/2010 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4       | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:   | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3       |                   |                     |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-31111-082)TURBINE GLAND SEAL REGULATOR REQUIRES ASSESSMENT. | ACCOMPLISH SSTG TURBINE GLAND SEAL REGULATOR ASSESSMENT IN ACCORDANCE WITH MRC A4V5 AS FOLLOWS: 1. INSPECT GLAND SEAL REGULATOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-31112-002- -SSTG TURB BRG - RPR**MJC:** EXECQ292**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31112-002)TURBINE BEARINGS REQUIRE REPAIR

INSPECT AND REPAIR OR REPLACE THE DESIGNATED TURBINE BEARINGS OF THE SSTG SET PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT ALL BRG HOUSING & BRG FINISHED SURFACES ARE CLEAN. ACCOMPLISH AS-FOUND BEARING PINCH CHECKS. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES, BEARING AND JOURNAL DIMENSIONS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF AUTHORIZED RPRS FROM FOLLOWING LIST, ASSEMBLE BRG HOUSINGS & ENSURE BEARING HOUSINGS CONCENTRICITY AND PERPENDICULARITY TO UNIT CENTERLINE. A. RESURFACE AND MACHINE DESIGNATED JOURNALS. B. REPLACE DESIGNATED OIL DEFLECTORS. C. GRIND OR REPLACE THRUST COLLAR. D. REPLACE DESIGNATED THRUST BRG SHOES (ACT/INACTIVE). E. GRIND DESIGNATED THRUST BRG RETAINING RINGS (A/I). F. REPL DESIGNATED THRUST BRG RETAINING RINGS (A/I). G. GRIND DESIGNATED THRUST BRG SHIMS(ACTIVE/INACTIVE). H. REPL DESIGNATED THRUST BRG SHIMS (ACTIVE/INACTIVE). I. REBABBIT DESIGNATED JOURNAL BEARINGS. J. REPLACE DESIGNATED JOURNAL BEARINGS.

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**Task/Abbreviation:** Q-31112-003- -SSTG SPD GOV - RPR**MJC:** EXECQ293**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 360**ManDays:** 8**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31112-003)GOVERNOR REQUIRES REPAIR

ACCOMPLISH AUTHORIZED REPAIRS TO THE ELECTRO-HYDRAULIC SPEED GOVERNOR SYSTEM OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET PER CONDITION ASSESSMENT AND/OR FTSC/OEM RECOMMENDATIONS. DISCONNECT GOVERNOR LINKAGE, TUBE FITTINGS, ELECTRICAL WIRING AND MOUNTING FLANGE. SHIP TO QUALIFIED MAINTENANCE FACILITY FOR TEST STAND EVALUATION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, ASSEMBLE COMPONENTS USING NEW GASKETS, O-RINGS, RETAINING RINGS AND SEALS AND ENSURE OIL PASSAGES ARE FREE FROM FOREIGN MATTER. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY POST-REPAIRS TEST STAND TEST. REINSTALL GOVERNOR AND CONNECT MOUNTING FLANGE, TUBE FITTINGS, ELECTRICAL WIRING AND LINKAGE. PROVIDE TECHNICAL REPRESENTATIVE FOR IN-PLACE ACCOMPLISHMENT OF SPEED REGULATION ADJUSTMENT AND A SATISFACTORY OPERATIONAL TEST.



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|----------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: Q-31112-004- -SSTG THROTTLE VLV - RPR |              |               | MJC: EXECQ294 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 90 | ManDays: 2        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 4        |                   |                    |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-31112-004)TRIP/THROTTLE VALVE REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE TRIP AND THROTTLE VALVE ASSEMBLY OF THE SHIPS SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE INSULATION, DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING HYDRAULIC OPERATING MECHANISM. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW GASKETS, REPLACE MISSING OR UNSERVICEABLE FASTENERS AND REINSULATE VALVE ASSEMBLY. A. RESURFACE AND MACHINE VALVE STEM (INCLUDE PILOT VALVE). B. REPLACE VALVE STEM (INCLUDE PILOT VALVE). C. RESURFACE AND MACHINE MAIN VALVE. D. GRIND AND LAP VALVE SEATS (MAIN AND PILOT). E. REPLACE VALVE SEAT (MAIN). F. REPLACE VALVE STEM BUSHING(S). G. REPLACE PILOT VALVE. H. REPLACE PILOT VALVE BUSHING. I. REPLACE DUMP VALVE. J. REPAIR STEAM STRAINER. K. REPLACE STEAM STRAINER. TEST HYDRAULIC OPERATING MECHANISM AND ADJUST TRIP DEVICE LINKAGE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-31112-005- -SSTG INL STM VLV GR - RPR**MJC:** EXECQ295**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31112-005)CONTROL VALVE REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE INLET STEAM CONTROL VALVE GEAR ASSEMBLY (LIFTING BEAM TYPE) OF THE SHIPS SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE VALVE COVER OFF TURBINE CASING AND INSTALL PROTECTIVE COVER ON TURBINE CASING. DISASSEMBLE, INSPECT AND NDT VALVE GEAR COMPONENTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. A. REPAIR LIFTING BEAM. B. REPLACE LIFTING BEAM. C. REPAIR VALVE STEMS. D. REPLACE VALVE STEMS. E. REPLACE VALVE STEM BUSHINGS. F. RESURFACE AND MACHINE VALVES. G. REPLACE VALVES. H. RESURFACE AND MACHINE VALVE SEATS. I. REPLACE VALVE SEATS. ENSURE THAT VALVE COVER AND TURBINE CASING JOINTS ARE IN GOOD CONDITION. SET CRACKING POINT ON VALVES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-31112-006- -SSTG RDCN GR - RPR**MJC:** EXECQ296**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 6,750**ManDays:** 150**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31112-006)REDUCTION GEAR REQUIRES REPAIR

DISCONNECT & RMV INTERFERENCES & RMV UPPER HALF OF RDCN GEAR CASE FOR INTERNAL EXAM. INSP GEAR TOOTH CONTACT & EXAMINE BRGS. ACCOMP BLUE CONTACT CHECK OF GEAR TEETH. HAND WIPE/CLEAN GEAR SUMP. MEAS/RECORD BRG & THRUST CLEARANCES & JOURNAL CONDITION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. UPON COMP OF RPRS, AS AUTH FROM THE FOLLOWING LIST, REASSEM UNIT USING NEW GSKTS/JTING COMPOUND. PROV RECORD OF POST RPR RUNNING CLEARANCES & ALIGNMENT DATA. INSTALL MUSLIN BAGS IN STR BSKT & OP UNIT IN UNLOADED COND MINIMUM OF ONE HOUR. CK BAGS AT 30 MINUTE INTERVALS UNTIL CLEAN. A. POLISH/STONE GEAR TEETH. B. REPLACE/REBABBIT BEARINGS. C. REMOVE GEARS TO SHOP AND MACHINE/POLISH JOURNALS. D. REMOVE, DISMANTLE AND INSPECT QUILL SHAFT ASSEMBLY. F. DISCONNECT/CLN & PICKLE EXTERNAL LUBE OIL PIPING. G. REPLACE DESIGNATED OIL DEFLECTORS.

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|------------------------------------------------------|--------------|---------------|------------------|-------------------|--------------------|
| Task/Abbreviation: Q-31112-007- -SSTG A.C. GEN - RPR |              |               | MJC: EXECQ297    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,710 | ManDays: 38       | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31112-007)GENERATOR REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE FOLLOWING DESIGNATED COMPONENTS OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. UPON COMPLETION OF REPAIRS, REINSTALL COMPONENTS REPLACING MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. CONTROLLER / CONTROL PANEL B. COUPLING C. FOUNDATION D. GENERATOR E. INSTRUMENTATION F. MOTOR G. MOUNTS, RESILIENT (REPLACEMENT). |

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**Task/Abbreviation:** Q-31112-008- -SSTG TURB - RPR**MJC:** EXECQ836**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 6,750**ManDays:** 150**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31112-008)TURBINE REQUIRES REPAIR

OPEN TURBINE CASING AND REMOVE THE ROTATING ASSEMBLY TO SHOP. CLEAN AND INSPECT ALL PARTS. REPORT CONDITIONS FOUND TO THE NSA. BLAST CLEAN TURBINE ROTOR WITH ALUMINUM OXIDE. DYE-CHECK ROTOR ASSEMBLY BLADING/SHROUDS FOR CRACKS. CLEAN AND DYE-CHECK STATIONARY BLADING NOZZLES IN PLACE. DYNAMICALLY BALANCE ROTOR ASSEMBLY. UPON COMPLETION OF REPAIRS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW CARBON PACKING, LABYRINTH SEALS, GASKETS AND JOINTING COMPOUND. MEASURE AND RECORD ALL AS-RELEASED RUNNING CLEARANCES AND ALIGNMENT DATA. SHIP'S FORCE WILL CONDUCT OPERATIONAL TEST. A. CHROME/MACHINE JOURNALS. B. REMOVE STATIONARY BLADING/NOZZLES, DRESS AND REPAIR. C. DISMANTLE THROTTLE VALVE ASSEMBLY. INSPECT AND PROVIDE REPORT. DYE CHECK/BLUE SEATS AND REPAIR AS NEEDED. D. REBABBIT/REPLACE BEARINGS. E. REPLACE OIL DEFLECTORS. F. RESET ROTOR POSITION INDICATORS. G. RE-ESTABLISH BEARING CLEARANCE CONSTANTS. J. REPAIR TURBINE CASING RELIEF VALVE.

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| Task/Abbreviation: Q-31112-009- -SSTG LO CLR - RPR |              |               | MJC: EXECQB38  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10       | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31112-009)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER<br>CONDITION ASSESSMENT RECOMMENDATIONS AND AS<br>DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE<br>SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING &<br>INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON<br>COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING<br>LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS<br>AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL<br>DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG<br>DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE<br>ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT<br>PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL<br>COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K.<br>REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31112-010- -SSTG AIR CLR - RPR |              |               | MJC: EXECQB43  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10       | Alt No:            |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31112-010)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER<br>CONDITION ASSESSMENT RECOMMENDATIONS AND AS<br>DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE<br>SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING &<br>INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON<br>COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING<br>LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS<br>AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL<br>DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG<br>DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE<br>ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT<br>PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL<br>COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K.<br>REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31112-011- -SSTG A.C. GEN - ALIGN |              |               | MJC: EXECQB48  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31112-011)A.C. GENERATOR REQUIRES ALIGNMENT | ALIGN THE A.C. GENERATOR OF THE SHIP SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. MEASURE AND RECORD AS-FOUND CLEARANCES AND ALIGNMENT DATA. ENSURE THE GENERATOR BEARING, FIELD ROTOR AND STATOR ARE ALL WITHIN THE SAME CENTERLINE. ALIGN FIELD ROTOR TO THE REDUCTION GEAR LOW SPEED SHAFT. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP INCLUDING FINAL ALIGNMENT READINGS. A. ACCOMPLISH REQUIRED ALIGNMENT CORRECTIONS. B. INSTALL NEW GENERATOR STATOR-TO-FOUNDATION DOWELS. |



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**Task/Abbreviation:** Q-31112-012- -SSTG SET - OIL FLUSH**MJC:** EXECQB53**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31112-012)SHIP SERVICE TURBINE GENERATOR  
SET REQUIRES AN OIL FLUSHACCOMPLISH AN OIL FLUSH OF THE SHIP SERVICE TURBINE  
GENERATOR SET AFTER DISCONNECTING, CLEANING AND PICKLING  
THE EXTERNAL LUBE OIL PIPING, INCLUDING THE OIL SPRAY  
NOZZLES. ENSURE THAT OIL SUMP IS CLEAN AND FREE FROM  
FOREIGN MATTER. REASSEMBLE ALL BEARINGS, BEARING  
HOUSINGS AND UPPER HALF COVERS. USE A FULL-CAPACITY OIL  
PUMP FOR OIL FLUSHING AND ENSURE THAT BEARINGS ARE  
BY-PASSED. FLUSH THROUGH ONE BEARING HOUSING AT A TIME  
ENSURING MAXIMUM FLOW AND PRESSURE DROP AND UNTIL OIL  
CONDITION PROVES TO BE FREE FROM FOREIGN MATTER. CLEAN  
LUBE OIL SUMP (POST- FLUSHING). FLUSH THROUGH INSTALLED  
FILTER SYSTEM UNTIL VISUAL AND DELTA PRESSURE READINGS  
ARE ACCEPTABLE. ENSURE THAT NO FOREIGN MATTER IS  
PRESENT WITHIN SYSTEM BEFORE LOADING UNIT.

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| Task/Abbreviation: Q-31112-014- -SSTG ATCHD LO PMP - RPR |              |               | MJC: EXECQ149  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 360 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31112-014)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE ROTARY GEAR PUMP. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31112-015- -SSTG AIR CLR - PLUG TB |              |               | MJC: EXECJ832  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31112-015)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31112-016- -SSTG AIR CLR - REPL BUNDLE |         |               | MJC: EXECJ837  |             | Rev Date: 9/2/2011 |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:      | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 13 | Alt No:            |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 3         |             |                    |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31112-016)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|---------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31112-017- -SSTG AIR CLR - REPL TB |              |               | MJC: EXECJ842  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31112-017)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31112-018- -SSTG AIR CLR - REPL ZINCS |  |                                        |  | MJC: EXECJ847 |  | Rev Date: 9/2/2011                                                                                                                                                                                                                                              |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 450                                                                                                                                                                                                                                                  |  | ManDays: 6        |  | Alt No: |  |
| Referenced Authority:                                      |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 3            |  |         |  |
| Reason:                                                    |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                   |  | (Q-31112-018)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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|-----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31112-019- -SSTG AIR CLR - REROLL TB |              |               | MJC: EXECJ852  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31112-019)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31112-020- -SSTG AIR CLR - RPR TB SH |              |               | MJC: EXECJ857  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31112-020)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31112-021- -SSTG AIR CLR - RPR TB SPRTS |              |               | MJC: EXECJ862  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31112-021)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31112-022- -SSTG LO CLR - PLUG TB |              |               | MJC: EXECJ867  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31112-022)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31112-023- -SSTG LO CLR - REPL TB BUNDLE |  |                     |  | <b>MJC:</b> EXECJ872 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450     |  | <b>ManDays:</b> 8        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                          | <b>Recommended Solution:</b>                                                                                                                                                                                                                           |
| BASELINE       | (Q-31112-023)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31112-024- -SSTG LO CLR - REPL TB |  |                     |  | <b>MJC:</b> EXECJ877 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 8        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                   | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE       | (Q-31112-024)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31112-025- -SSTG LO CLR - REPL ZINCS |  |                                        |  | <b>MJC:</b> EXECJ882 |  | <b>Rev Date:</b> 9/2/2011                                                                                                                                                                                                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                               |  | <b>ManDays:</b> 6        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                 |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                   |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                    |  |                          |  |                |  |
| BASELINE                                                         |  | (Q-31112-025)ZINCS REQUIRE REPLACEMENT |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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|----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31112-026- -SSTG LO CLR - REROLL TB |              |               | MJC: EXECJ887  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31112-026)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31112-027- -SSTG LO CLR - RPR TB SH |  |              |  | MJC: EXECJ892 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31112-027)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31112-028- -SSTG LO CLR - RPR TB SPRT PLTS |              |               | MJC: EXECJ897  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31112-028)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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**Task/Abbreviation:** Q-31112-029- -SSTG AC GEN W/RTR RMV-CLN**MJC:** EXECJ997**Rev Date:** 9/2/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 540 **ManDays:** 3 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:** **Problem Description:** **Recommended Solution:**

BASELINE (Q-31112-029)ROTOR ASSEMBLY REQUIRES REPAIR

OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING AND ROTATING ASSEMBLIES. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. RECONDITION EXCITER AND MAIN ROTOR IN ACCORDANCE WITH THE REQUIREMENTS OF 009-17. REPAIR END BELLS. IN PLACE CLEAN, RINSE, & DRY THE STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. INSTALL NEW BEARINGS, SEALS AND GASKETS. INSTALL ROTATING ASSEMBLIES AND BRUSH RIGGING. ALIGN THE GENERATOR. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-31112-030- -SSTG AC GEN SLIP RINGS-REPL |              |               | MJC: EXECJA02  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 135 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 1         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31112-030)SLIP RINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. DISASSEMBLE. REMOVE BRUSH RIGGING. CLEAN BRUSH RIGGING. REPLACE SLIP RINGS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31112-031- -SSTG AC GEN RTD(S)-REPL |              |               | MJC: EXECJA07  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 135 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                                        |
| BASELINE | (Q-31112-031)RESISTIVE TEMPERATURE DETECTOR(S) (RTD) REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD CONTINUITY OF RTD(S) CIRCUITRY OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE DEFECTIVE RTD(S). VERIFY CONTINUITY OF RTD(S) CIRCUITRY. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                           |              |               |                |                   |                    |
|-----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31112-032- -SSTG AC GEN IN PLACE-CLN |              |               | MJC: EXECJA12  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 495 | ManDays: 3        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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|----------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-31112-032)A.C. GENERATOR REQUIRES CLEANING | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. REPLACE OR MACHINE, CLEAN AND POLISH SLIP RINGS. IN PLACE CLEAN, RINSE, & DRY THE ROTOR AND STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------|---------|---------------|----------------|------------|--------------------|
| Task/Abbreviation: Q-31112-033- -SSTG AC GEN BRUSHES-REPL |         |               | MJC: EXECJA17  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 1 | Matl Cost: 135 | ManDays: 1 | Alt No:            |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 1         |            |                    |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                        |
| BASELINE | (Q-31112-033)BRUSHES REQUIRE REPLACEMENT | OPEN AND INSPECT THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE AND ADJUST BRUSHES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|------------------------------------------------------------|---------|---------------|----------------|------------|--------------------|
| Task/Abbreviation: Q-31112-034- -SSTG AC GEN BEARINGS-REPL |         |               | MJC: EXECJA22  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                              |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                            | Freq: 0 | Equip/Task: 1 | Matl Cost: 270 | ManDays: 1 | Alt No:            |
| Referenced Authority:                                      |         | Repair Pool:  | MCC: 1         |            |                    |

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|----------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31112-034)BEARINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE BEARINGS, SEALS, AND GASKETS. ALIGN THE GENERATOR. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31112-035- -SSTG JOURNAL BRGS - RPR |              |               | MJC: EXECJBA4  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-31112-035)BEARINGS REQUIRE REPAIR | REPAIR SSTG TURBINE JOURNAL BEARINGS AS FOLLOWS: REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. DISASSEMBLE BEARING. CLEAN AND EXAMINE THE BEARING FOR WEAR OR DEFECTS. REBABBIT/REPAIR BEARINGS THAT ARE OUT OF TOLERANCE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THE BEARING AND REINSTALL. ENSURE OIL PASSAGE TO THE BEARING IS FREE OF DIRT OR DEBRIS. ASSEMBLE BEARING HOUSING AND ENSURE BEARING HOUSING CONCENTRICITY AND PERPENDICULARITY TO UNIT CENTERLINE. ESTABLISH NEW BEARING CONSTANT. OPERATIONALLY TEST. |

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|--------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31112-036- -SSTG THRUST BRG - RPR |              |               | MJC: EXECJBA5  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-31112-036)THRUST BEARING REQUIRES REPAIR | REPAIR SSTG TURBINE THRUST BEARING AS FOLLOWS: REMOVE BEARING COVER. DISASSEMBLE THE THRUST BEARING. INSPECT THRUST COLLAR, SHOES AND PADS. REPAIR/REPLACE PARTS FOUND UNSUITABLE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THRUST BEARING AND SHIM AS NECESSARY TO OBTAIN THRUST CLEARANCE. INSTALL BEARING COVER. OPERATIONALLY TEST. |



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|-----------------------------------------------------------|--------------|---------------|------------------|-------------------|--------------------|
| Task/Abbreviation: Q-31112-037- -SSTG RDCN GR BRGS - REPL |              |               | MJC: EXECJBA6    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,625 | ManDays: 100      | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-31112-037)BEARINGS REQUIRE REPLACEMENT | REPLACE SSTG REDUCTION GEAR BEARINGS. REMOVE THE REDUCTION GEAR COVER. REMOVE THE FORWARD AND AFT HIGH SPEED SHAFT AND THE LOW SPEED SHAFT BEARINGS IN ACCORDANCE WITH THE APPLICABLE TECH MANUAL. INSPECT/MEASURE BEARINGS FOR SURFACE DEFECTS AND WEAR. REPLACE BEARINGS THAT EXCEED WEAR SPECS. REINSTALL REDUCTION GEAR COVER. OPERATIONALLY TEST. |

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|----------------------------------------------------------------|---------|---------------|------------------|------------|--------------------|
| Task/Abbreviation: Q-31112-038- -RDCN GR OIL DEFLECTORS - REPL |         |               | MJC: EXECJBA7    |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:        | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 5 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3           |            |                    |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                       |
| BASELINE | (Q-31112-038)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE SSTG REDUCTION GEAR OIL DEFLECTORS AS FOLLOWS:<br>REMOVE GEAR COVER. REMOVE OLD DEFLECTORS. STONE SHAFT<br>IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS.<br>OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31112-039- -SSTG TURB ROTOR INDICATOR-RPR |         |               | MJC: EXECJBA8  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 2 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                      |
| BASELINE | (Q-31112-039)TURBINE ROTOR POSITION INDICATOR REQUIRES REPAIR | REPAIR SSTG TURBINE ROTOR POSITION INDICATOR AS FOLLOWS:<br>REMOVE INDICATOR FROM TURBINE. CLEAN AND INSPECT.<br>REPLACE ANY PARTS FOUND DEFECTIVE. VERIFY PROPER ROTOR AXIAL POSITION. REINSTALL AND CALIBRATE INDICATOR. |

|                                                                     |  |                     |  |                      |  |                           |  |                          |  |                |  |
|---------------------------------------------------------------------|--|---------------------|--|----------------------|--|---------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-31112-040- -SSTG TURB LABYRINTHS - REPL |  |                     |  | <b>MJC:</b> EXECJBA9 |  | <b>Rev Date:</b> 9/2/2011 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675     |  | <b>ManDays:</b> 2        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                 | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                      |
| BASELINE       | (Q-31112-040)LABYRINTH REQUIRES REPLACEMENT | REPLACE SSTG TURBINE LABYRINTH SEALS AS FOLLOWS:<br>DISASSEMBLE, CLEAN AND EXAMINE THE LABYRINTH STEAM SEAL ASSEMBLIES FOR WEAR AND DEFECTS. POLISH THE SHAFT IN WAY OF SEAL REMOVALS. REPLACE WITH NEW LABYRINTH PACKING ASSEMBLIES. REASSEMBLE AND RELAG CASING AND PIPING. OPERATIONALLY TEST. |

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|----------------------------------------------------------------|---------|---------------|----------------|------------|--------------------|
| Task/Abbreviation: Q-31112-041- -SSTG TURB OIL DEFLECTORS-REPL |         |               | MJC: EXECJBB0  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 2 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                    |
| BASELINE | (Q-31112-041)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE SSTG TURBINE OIL DEFLECTORS AS FOLLOWS: REMOVE OLD DEFLECTORS. STONE SHAFT IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31112-042- -SSTG CASING RELIEF VLV - RPR |                                           | MJC: EXECJBB1                                                                                                                                                                                                   | Rev Date: 9/2/2011 |                   |         |
| RCM Analysis:                                                 | Scheduled: N                              | Sit Reqs:                                                                                                                                                                                                       | Qty: 4             | Removal Required: |         |
| Lvl of Maint: 1                                               | Freq: 0                                   | Equip/Task: 1                                                                                                                                                                                                   | Matl Cost: 4,725   | ManDays: 74       | Alt No: |
| Referenced Authority:                                         |                                           | Repair Pool:                                                                                                                                                                                                    | MCC: 3             |                   |         |
| Reason:                                                       | Problem Description:                      | Recommended Solution:                                                                                                                                                                                           |                    |                   |         |
| BASELINE                                                      | (Q-31112-042)RELIEF VALVE REQUIRES REPAIR | REPAIR SSTG CASING RELIEF VALVE. REMOVE VALVE TO SHOP AND ACCOMPLISH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-52. ON COMPLETION OF REPAIRS, REINSTALL VALVE AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                    |                   |         |

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|-------------------------------------------------------------|---------|---------------|---------------|------------|--------------------|
| Task/Abbreviation: Q-31112-043- -SSTG ATCHD LO PMP CSG-REPL |         |               | MJC: EXECJCF5 |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:     | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 90 | ManDays: 1 | Alt No:            |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 2        |            |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31112-043)PUMP CASING REQUIRES REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ROTARY/GEAR) OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE THE OUTER CASING. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-31112-044- -SSTG ATCHD LO PMP INT-REPL**MJC:** EXECJCF6**Rev Date:** 9/2/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 270 **ManDays:** 5 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 2**Reason:**

BASELINE

**Problem Description:**

(Q-31112-044)PUMP INTERNALS REQUIRE REPLACEMENT

**Recommended Solution:**

OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ROTARY/GEAR) OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE PUMP INTERNALS AS A MATCHED SET (INTERNAL REPLACEMENT KIT) PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF INTERNAL REPLACEMENT REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.



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| Task/Abbreviation: I-31112-078- -SSTG VIB TST - MRC G1P1 |              |               | MJC: EXECIGC8 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-31112-078)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|--------------|---------------|------------|---------------|--------------------|
| Task/Abbreviation: I-31112-079- -SSTG TURB LABYRINTH - MRC A5I0 |              |               |            | MJC: EXECIIX8 | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     |            | Qty: 4        | Removal Required:  |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: | ManDays: 2    | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3     |               |                    |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-31112-079)TURBINE LABYRINTH PACKING REQUIRES ASSESSMENT. | ACCOMPLISH SSTG TURBINE LABYRINTH PACKING ASSESSMENT IN ACCORDANCE WITH MRC A5I0 AS FOLLOWS: 1. INSPECT TURBINE LABYRINTH PACKING. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-31112-082- -SSTG GLAND SEAL REG - MRC A4V5 |              |               | MJC: EXECIIZ0 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-31112-082)TURBINE GLAND SEAL REGULATOR REQUIRES ASSESSMENT. | ACCOMPLISH SSTG TURBINE GLAND SEAL REGULATOR ASSESSMENT IN ACCORDANCE WITH MRC A4V5 AS FOLLOWS: 1. INSPECT GLAND SEAL REGULATOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-31113-002- -SSTG TURB BRG - RPR**MJC:** EXECQ298**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31113-002)TURBINE BEARINGS REQUIRE REPAIR

INSPECT AND REPAIR OR REPLACE THE DESIGNATED TURBINE BEARINGS OF THE SSTG SET PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT ALL BRG HOUSING & BRG FINISHED SURFACES ARE CLEAN. ACCOMPLISH AS-FOUND BEARING PINCH CHECKS. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES, BEARING AND JOURNAL DIMENSIONS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF AUTHORIZED RPRS FROM FOLLOWING LIST, ASSEMBLE BRG HOUSINGS & ENSURE BEARING HOUSINGS CONCENTRICITY AND PERPENDICULARITY TO UNIT CENTERLINE. A. RESURFACE AND MACHINE DESIGNATED JOURNALS. B. REPLACE DESIGNATED OIL DEFLECTORS. C. GRIND OR REPLACE THRUST COLLAR. D. REPLACE DESIGNATED THRUST BRG SHOES (ACT/INACTIVE). E. GRIND DESIGNATED THRUST BRG RETAINING RINGS (A/I). F. REPL DESIGNATED THRUST BRG RETAINING RINGS (A/I). G. GRIND DESIGNATED THRUST BRG SHIMS(ACTIVE/INACTIVE). H. REPL DESIGNATED THRUST BRG SHIMS (ACTIVE/INACTIVE). I. REBABBIT DESIGNATED JOURNAL BEARINGS. J. REPLACE DESIGNATED JOURNAL BEARINGS.

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**Task/Abbreviation:** Q-31113-003- -SSTG SPD GOV - RPR**MJC:** EXECQ299**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 360**ManDays:** 8**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31113-003)GOVERNOR REQUIRES REPAIR

ACCOMPLISH AUTHORIZED REPAIRS TO THE ELECTRO-HYDRAULIC SPEED GOVERNOR SYSTEM OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET PER CONDITION ASSESSMENT AND/OR FTSC/OEM RECOMMENDATIONS. DISCONNECT GOVERNOR LINKAGE, TUBE FITTINGS, ELECTRICAL WIRING AND MOUNTING FLANGE. SHIP TO QUALIFIED MAINTENANCE FACILITY FOR TEST STAND EVALUATION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, ASSEMBLE COMPONENTS USING NEW GASKETS, O-RINGS, RETAINING RINGS AND SEALS AND ENSURE OIL PASSAGES ARE FREE FROM FOREIGN MATTER. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY POST-REPAIRS TEST STAND TEST. REINSTALL GOVERNOR AND CONNECT MOUNTING FLANGE, TUBE FITTINGS, ELECTRICAL WIRING AND LINKAGE. PROVIDE TECHNICAL REPRESENTATIVE FOR IN-PLACE ACCOMPLISHMENT OF SPEED REGULATION ADJUSTMENT AND A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-31113-004- -SSTG THROTTLE VLV - RPR**MJC:** EXECQ300**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 90**ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31113-004)TRIP/THROTTLE VALVE REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE TRIP AND THROTTLE VALVE ASSEMBLY OF THE SHIPS SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE INSULATION, DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING HYDRAULIC OPERATING MECHANISM. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW GASKETS, REPLACE MISSING OR UNSERVICEABLE FASTENERS AND REINSULATE VALVE ASSEMBLY. A. RESURFACE AND MACHINE VALVE STEM (INCLUDE PILOT VALVE). B. REPLACE VALVE STEM (INCLUDE PILOT VALVE). C. RESURFACE AND MACHINE MAIN VALVE. D. GRIND AND LAP VALVE SEATS (MAIN AND PILOT). E. REPLACE VALVE SEAT (MAIN). F. REPLACE VALVE STEM BUSHING(S). G. REPLACE PILOT VALVE. H. REPLACE PILOT VALVE BUSHING. I. REPLACE DUMP VALVE. J. REPAIR STEAM STRAINER. K. REPLACE STEAM STRAINER. TEST HYDRAULIC OPERATING MECHANISM AND ADJUST TRIP DEVICE LINKAGE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-31113-005- -SSTG INL STM VLV GR - RPR**MJC:** EXECQ301**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31113-005)CONTROL VALVE REQUIRES REPAIR

ACCOMPLISH REPAIRS TO THE INLET STEAM CONTROL VALVE GEAR ASSEMBLY (LIFTING BEAM TYPE) OF THE SHIPS SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE VALVE COVER OFF TURBINE CASING AND INSTALL PROTECTIVE COVER ON TURBINE CASING. DISASSEMBLE, INSPECT AND NDT VALVE GEAR COMPONENTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. A. REPAIR LIFTING BEAM. B. REPLACE LIFTING BEAM. C. REPAIR VALVE STEMS. D. REPLACE VALVE STEMS. E. REPLACE VALVE STEM BUSHINGS. F. RESURFACE AND MACHINE VALVES. G. REPLACE VALVES. H. RESURFACE AND MACHINE VALVE SEATS. I. REPLACE VALVE SEATS. ENSURE THAT VALVE COVER AND TURBINE CASING JOINTS ARE IN GOOD CONDITION. SET CRACKING POINT ON VALVES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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**Task/Abbreviation:** Q-31113-006- -SSTG RDCN GR - RPR**MJC:** EXECQ302**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 6,750**ManDays:** 150**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31113-006)REDUCTION GEAR REQUIRES REPAIR

DISCONNECT & RMV INTERFERENCES & RMV UPPER HALF OF RDCN GEAR CASE FOR INTERNAL EXAM. INSP GEAR TOOTH CONTACT & EXAMINE BRGS. ACCOMP BLUE CONTACT CHECK OF GEAR TEETH. HAND WIPE/CLEAN GEAR SUMP. MEAS/RECORD BRG & THRUST CLEARANCES & JOURNAL CONDITION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. UPON COMP OF RPRS, AS AUTH FROM THE FOLLOWING LIST, REASSEM UNIT USING NEW GSKTS/JTING COMPOUND. PROV RECORD OF POST RPR RUNNING CLEARANCES & ALIGNMENT DATA. INSTALL MUSLIN BAGS IN STR BSKT & OP UNIT IN UNLOADED COND MINIMUM OF ONE HOUR. CK BAGS AT 30 MINUTE INTERVALS UNTIL CLEAN. A. POLISH/STONE GEAR TEETH. B. REPLACE/REBABBIT BEARINGS. C. REMOVE GEARS TO SHOP AND MACHINE/POLISH JOURNALS. D. REMOVE, DISMANTLE AND INSPECT QUILL SHAFT ASSEMBLY. F. DISCONNECT/CLN & PICKLE EXTERNAL LUBE OIL PIPING. G. REPLACE DESIGNATED OIL DEFLECTORS.



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| Task/Abbreviation: Q-31113-007- -SSTG A.C. GEN - RPR |              |               | MJC: EXECQ303    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,710 | ManDays: 38       | Alt No:            |
| Referenced Authority:                                | Repair Pool: | MCC: 3        |                  |                   |                    |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31113-007)GENERATOR REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE FOLLOWING DESIGNATED COMPONENTS OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. UPON COMPLETION OF REPAIRS, REINSTALL COMPONENTS REPLACING MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. CONTROLLER / CONTROL PANEL B. COUPLING C. FOUNDATION D. GENERATOR E. INSTRUMENTATION F. MOTOR G. MOUNTS, RESILIENT (REPLACEMENT). |

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**Task/Abbreviation:** Q-31113-008- -SSTG TURB - RPR**MJC:** EXECQ837**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 6,750**ManDays:** 150**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31113-008)TURBINE REQUIRES REPAIR

OPEN TURBINE CASING AND REMOVE THE ROTATING ASSEMBLY TO SHOP. CLEAN AND INSPECT ALL PARTS. REPORT CONDITIONS FOUND TO THE NSA. BLAST CLEAN TURBINE ROTOR WITH ALUMINUM OXIDE. DYE-CHECK ROTOR ASSEMBLY BLADING/SHROUDS FOR CRACKS. CLEAN AND DYE-CHECK STATIONARY BLADING NOZZLES IN PLACE. DYNAMICALLY BALANCE ROTOR ASSEMBLY. UPON COMPLETION OF REPAIRS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW CARBON PACKING, LABYRINTH SEALS, GASKETS AND JOINTING COMPOUND. MEASURE AND RECORD ALL AS-RELEASED RUNNING CLEARANCES AND ALIGNMENT DATA. SHIP'S FORCE WILL CONDUCT OPERATIONAL TEST. A. CHROME/MACHINE JOURNALS. B. REMOVE STATIONARY BLADING/NOZZLES, DRESS AND REPAIR. C. DISMANTLE THROTTLE VALVE ASSEMBLY. INSPECT AND PROVIDE REPORT. DYE CHECK/BLUE SEATS AND REPAIR AS NEEDED. D. REBABBIT/REPLACE BEARINGS. E. REPLACE OIL DEFLECTORS. F. RESET ROTOR POSITION INDICATORS. G. RE-ESTABLISH BEARING CLEARANCE CONSTANTS. J. REPAIR TURBINE CASING RELIEF VALVE.

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| Task/Abbreviation: Q-31113-009- -SSTG LO CLR - RPR |              |               | MJC: EXECQB39 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 10       | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31113-009)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER<br>CONDITION ASSESSMENT RECOMMENDATIONS AND AS<br>DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE<br>SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING &<br>INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON<br>COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING<br>LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS<br>AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL<br>DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG<br>DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE<br>ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT<br>PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL<br>COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K.<br>REPLACE TUBE BUNDLE. |

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**Task/Abbreviation:** Q-31113-010- -SSTG AIR CLR - RPR**MJC:** EXECQB44**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31113-010)COOLER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE.

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| Task/Abbreviation: Q-31113-011- -SSTG A.C. GEN - ALIGN |              |               | MJC: EXECQB49  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                    |

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|----------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31113-011)A.C. GENERATOR REQUIRES ALIGNMENT | ALIGN THE A.C. GENERATOR OF THE SHIP SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. MEASURE AND RECORD AS-FOUND CLEARANCES AND ALIGNMENT DATA. ENSURE THE GENERATOR BEARING, FIELD ROTOR AND STATOR ARE ALL WITHIN THE SAME CENTERLINE. ALIGN FIELD ROTOR TO THE REDUCTION GEAR LOW SPEED SHAFT. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP INCLUDING FINAL ALIGNMENT READINGS. A. ACCOMPLISH REQUIRED ALIGNMENT CORRECTIONS. B. INSTALL NEW GENERATOR STATOR-TO-FOUNDATION DOWELS. |

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**Task/Abbreviation:** Q-31113-012- -SSTG SET - OIL FLUSH**MJC:** EXECQB54**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31113-012)SHIP SERVICE TURBINE GENERATOR  
SET REQUIRES AN OIL FLUSHACCOMPLISH AN OIL FLUSH OF THE SHIP SERVICE TURBINE  
GENERATOR SET AFTER DISCONNECTING, CLEANING AND PICKLING  
THE EXTERNAL LUBE OIL PIPING, INCLUDING THE OIL SPRAY  
NOZZLES. ENSURE THAT OIL SUMP IS CLEAN AND FREE FROM  
FOREIGN MATTER. REASSEMBLE ALL BEARINGS, BEARING  
HOUSINGS AND UPPER HALF COVERS. USE A FULL-CAPACITY OIL  
PUMP FOR OIL FLUSHING AND ENSURE THAT BEARINGS ARE  
BY-PASSED. FLUSH THROUGH ONE BEARING HOUSING AT A TIME  
ENSURING MAXIMUM FLOW AND PRESSURE DROP AND UNTIL OIL  
CONDITION PROVES TO BE FREE FROM FOREIGN MATTER. CLEAN  
LUBE OIL SUMP (POST- FLUSHING). FLUSH THROUGH INSTALLED  
FILTER SYSTEM UNTIL VISUAL AND DELTA PRESSURE READINGS  
ARE ACCEPTABLE. ENSURE THAT NO FOREIGN MATTER IS  
PRESENT WITHIN SYSTEM BEFORE LOADING UNIT.

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| Task/Abbreviation: Q-31113-014- -SSTG ATCHD LO PMP - RPR |              |               | MJC: EXECQ156  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 360 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31113-014)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE ROTARY GEAR PUMP. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31113-015- -SSTG AIR CLR - PLUG TB |              |               | MJC: EXECJ833  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31113-015)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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|-------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31113-016- -SSTG AIR CLR - REPL BUNDLE |              |               | MJC: EXECJ838  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 13       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31113-016)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|---------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31113-017- -SSTG AIR CLR - REPL TB |              |               | MJC: EXECJ843  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31113-017)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31113-018- -SSTG AIR CLR - REPL ZINCS |  |                                        |  | MJC: EXECJ848 |  | Rev Date: 9/2/2011                                                                                                                                                                                                                                              |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 450                                                                                                                                                                                                                                                  |  | ManDays: 6        |  | Alt No: |  |
| Referenced Authority:                                      |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 3            |  |         |  |
| Reason:                                                    |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                   |  | (Q-31113-018)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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|-----------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31113-019- -SSTG AIR CLR - REROLL TB |              |               | MJC: EXECJ853  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31113-019)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31113-020- -SSTG AIR CLR - RPR TB SH |  |              |  | MJC: EXECJ858 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450     |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  |  | Problem Description:                           |  | Recommended Solution:                                                                                                                                                                                                                                                                      |  |
| BASELINE |  | (Q-31113-020)COOLER TUBE SHEETS REQUIRE REPAIR |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |

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|--------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-31113-021- -SSTG AIR CLR - RPR TB SPRTS |              |               | MJC: EXECJ863  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31113-021)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|--------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: Q-31113-022- -SSTG LO CLR - PLUG TB |              |               | MJC: EXECJ868 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 7        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31113-022)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31113-023- -SSTG LO CLR - REPL TB BUNDLE |  |                                                      |  | MJC: EXECJ873 |  | Rev Date: 9/2/2011                                                                                                                                                                                                                                     |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N                                         |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                                 |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0                                              |  | Equip/Task: 1 |  | Matl Cost: 450                                                                                                                                                                                                                                         |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                         |  |                                                      |  | Repair Pool:  |  |                                                                                                                                                                                                                                                        |  | MCC: 3            |  |         |  |
| Reason:                                                       |  | Problem Description:                                 |  |               |  | Recommended Solution:                                                                                                                                                                                                                                  |  |                   |  |         |  |
| BASELINE                                                      |  | (Q-31113-023)COOLER TUBE BUNDLE REQUIRES REPLACEMENT |  |               |  | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |



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| Task/Abbreviation: Q-31113-024- -SSTG LO CLR - REPL TB |              |               | MJC: EXECJ878 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 8        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31113-024)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31113-025- -SSTG LO CLR - REPL ZINCS |  |                                        |  | MJC: EXECJ883 |  | Rev Date: 9/2/2011                                                                                                                                                                                                                                              |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost:                                                                                                                                                                                                                                                      |  | ManDays: 6        |  | Alt No: |  |
| Referenced Authority:                                     |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 3            |  |         |  |
| Reason:                                                   |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                  |  | (Q-31113-025)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-31113-026- -SSTG LO CLR - REROLL TB |  |              |  | MJC: EXECJ888 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450     |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31113-026)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31113-027- -SSTG LO CLR - RPR TB SH |  |              |  | MJC: EXECJ893 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31113-027)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31113-028- -SSTG LO CLR - RPR TB SPRT PLTS |         |               | MJC: EXECJ898 |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:     | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 9 | Alt No:            |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3        |            |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31113-028)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-31113-029- -SSTG AC GEN W/RTR RMV-CLN**MJC:** EXECJ998**Rev Date:** 9/2/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 540 **ManDays:** 3 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 1**Reason:** **Problem Description:** **Recommended Solution:**

BASELINE (Q-31113-029)ROTOR ASSEMBLY REQUIRES REPAIR

OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING AND ROTATING ASSEMBLIES. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. RECONDITION EXCITER AND MAIN ROTOR IN ACCORDANCE WITH THE REQUIREMENTS OF 009-17. REPAIR END BELLS. IN PLACE CLEAN, RINSE, & DRY THE STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. INSTALL NEW BEARINGS, SEALS AND GASKETS. INSTALL ROTATING ASSEMBLIES AND BRUSH RIGGING. ALIGN THE GENERATOR. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-31113-030- -SSTG AC GEN SLIP RINGS-REPL |              |               | MJC: EXECJA03  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 135 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 1         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31113-030)SLIP RINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. DISASSEMBLE. REMOVE BRUSH RIGGING. CLEAN BRUSH RIGGING. REPLACE SLIP RINGS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31113-031- -SSTG AC GEN RTD(S)-REPL |              |               | MJC: EXECJA08  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 135 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                                        |
| BASELINE | (Q-31113-031)RESISTIVE TEMPERATURE DETECTOR(S) (RTD) REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD CONTINUITY OF RTD(S) CIRCUITRY OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE DEFECTIVE RTD(S). VERIFY CONTINUITY OF RTD(S) CIRCUITRY. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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**Task/Abbreviation:** Q-31113-032- -SSTG AC GEN IN PLACE-CLN**MJC:** EXECJA13**Rev Date:** 9/2/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 495**ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31113-032)A.C. GENERATOR REQUIRES  
CLEANING

OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. REPLACE OR MACHINE, CLEAN AND POLISH SLIP RINGS. IN PLACE CLEAN, RINSE, & DRY THE ROTOR AND STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-31113-033- -SSTG AC GEN BRUSHES-REPL |         |               | MJC: EXECJA18  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 1 | Matl Cost: 135 | ManDays: 1 | Alt No:            |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 1         |            |                    |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                        |
| BASELINE | (Q-31113-033)BRUSHES REQUIRE REPLACEMENT | OPEN AND INSPECT THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE AND ADJUST BRUSHES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31113-034- -SSTG AC GEN BEARINGS-REPL |         |               | MJC: EXECJA23  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                              |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                            | Freq: 0 | Equip/Task: 1 | Matl Cost: 270 | ManDays: 1 | Alt No:            |
| Referenced Authority:                                      |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31113-034)BEARINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE BEARINGS, SEALS, AND GASKETS. ALIGN THE GENERATOR. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31113-035- -SSTG JOURNAL BRGS - RPR |              |               | MJC: EXECJBB2  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-31113-035)BEARINGS REQUIRE REPAIR | REPAIR SSTG TURBINE JOURNAL BEARINGS AS FOLLOWS: REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. DISASSEMBLE BEARING. CLEAN AND EXAMINE THE BEARING FOR WEAR OR DEFECTS. REBABBIT/REPAIR BEARINGS THAT ARE OUT OF TOLERANCE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THE BEARING AND REINSTALL. ENSURE OIL PASSAGE TO THE BEARING IS FREE OF DIRT OR DEBRIS. ASSEMBLE BEARING HOUSING AND ENSURE BEARING HOUSING CONCENTRICITY AND PERPENDICULARITY TO UNIT CENTERLINE. ESTABLISH NEW BEARING CONSTANT. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31113-036- -SSTG THRUST BRG - RPR |              |               | MJC: EXECJBB3  |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-31113-036)THRUST BEARING REQUIRES REPAIR | REPAIR SSTG TURBINE THRUST BEARING AS FOLLOWS: REMOVE BEARING COVER. DISASSEMBLE THE THRUST BEARING. INSPECT THRUST COLLAR, SHOES AND PADS. REPAIR/REPLACE PARTS FOUND UNSUITABLE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THRUST BEARING AND SHIM AS NECESSARY TO OBTAIN THRUST CLEARANCE. INSTALL BEARING COVER. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31113-037- -SSTG RDCN GR BRGS - REPL |              |               | MJC: EXECJBB4    |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,625 | ManDays: 100      | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-31113-037)BEARINGS REQUIRE REPLACEMENT | REPLACE SSTG REDUCTION GEAR BEARINGS. REMOVE THE REDUCTION GEAR COVER. REMOVE THE FORWARD AND AFT HIGH SPEED SHAFT AND THE LOW SPEED SHAFT BEARINGS IN ACCORDANCE WITH THE APPLICABLE TECH MANUAL. INSPECT/MEASURE BEARINGS FOR SURFACE DEFECTS AND WEAR. REPLACE BEARINGS THAT EXCEED WEAR SPECS. REINSTALL REDUCTION GEAR COVER. OPERATIONALLY TEST. |

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| <b>Task/Abbreviation:</b> Q-31113-038- -RDCN GR OIL DEFLECTORS - REPL |                     |                      | <b>MJC:</b> EXECJBB5    |                          | <b>Rev Date:</b> 9/2/2011 |
| <b>RCM Analysis:</b>                                                  | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 4           | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                                | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 1,125 | <b>ManDays:</b> 5        | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                          |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 2           |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                     | <b>Recommended Solution:</b>                                                                                                                                                                |
| BASELINE       | (Q-31113-038)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE SSTG REDUCTION GEAR OIL DEFLECTORS AS FOLLOWS:<br>REMOVE GEAR COVER. REMOVE OLD DEFLECTORS. STONE SHAFT<br>IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS.<br>OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31113-039- -SSTG TURB ROTOR INDICATOR-RPR |         |               | MJC: EXECJBB6  |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 2 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                      |
| BASELINE | (Q-31113-039)TURBINE ROTOR POSITION INDICATOR REQUIRES REPAIR | REPAIR SSTG TURBINE ROTOR POSITION INDICATOR AS FOLLOWS:<br>REMOVE INDICATOR FROM TURBINE. CLEAN AND INSPECT.<br>REPLACE ANY PARTS FOUND DEFECTIVE. VERIFY PROPER ROTOR AXIAL POSITION. REINSTALL AND CALIBRATE INDICATOR. |



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| Task/Abbreviation: Q-31113-040- -SSTG TURB LABYRINTHS - REPL |  |              |  | MJC: EXECJBB7 |  | Rev Date: 9/2/2011 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 675     |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-31113-040)LABYRINTH REQUIRES REPLACEMENT | REPLACE SSTG TURBINE LABYRINTH SEALS AS FOLLOWS:<br>DISASSEMBLE, CLEAN AND EXAMINE THE LABYRINTH STEAM SEAL ASSEMBLIES FOR WEAR AND DEFECTS. POLISH THE SHAFT IN WAY OF SEAL REMOVALS. REPLACE WITH NEW LABYRINTH PACKING ASSEMBLIES. REASSEMBLE AND RELAG CASING AND PIPING. OPERATIONALLY TEST. |

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| <b>Task/Abbreviation:</b> Q-31113-041- -SSTG TURB OIL DEFLECTORS-REPL |                     |                      | <b>MJC:</b> EXECJBB8  |                          | <b>Rev Date:</b> 9/2/2011 |
| <b>RCM Analysis:</b>                                                  | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 4         | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                                | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 675 | <b>ManDays:</b> 2        | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                          |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                     | <b>Recommended Solution:</b>                                                                                                                             |
| BASELINE       | (Q-31113-041)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE SSTG TURBINE OIL DEFLECTORS AS FOLLOWS: REMOVE OLD DEFLECTORS. STONE SHAFT IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31113-042- -SSTG CASING RELIEF VLV - RPR |                                           |                                                                                                                                                                                                                 | MJC: EXECJBB9    |             | Rev Date: 9/2/2011 |
| RCM Analysis:                                                 |                                           | Scheduled: N                                                                                                                                                                                                    | Sit Reqs:        | Qty: 4      | Removal Required:  |
| Lvl of Maint: 1                                               | Freq: 0                                   | Equip/Task: 1                                                                                                                                                                                                   | Matl Cost: 4,725 | ManDays: 74 | Alt No:            |
| Referenced Authority:                                         |                                           | Repair Pool:                                                                                                                                                                                                    | MCC: 3           |             |                    |
| Reason:                                                       | Problem Description:                      | Recommended Solution:                                                                                                                                                                                           |                  |             |                    |
| BASELINE                                                      | (Q-31113-042)RELIEF VALVE REQUIRES REPAIR | REPAIR SSTG CASING RELIEF VALVE. REMOVE VALVE TO SHOP AND ACCOMPLISH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-52. ON COMPLETION OF REPAIRS, REINSTALL VALVE AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                  |             |                    |

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| Task/Abbreviation: Q-31113-043- -SSTG ATCHD LO PMP CSG-REPL |         |               | MJC: EXECJCF7 |            | Rev Date: 9/2/2011 |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:     | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 90 | ManDays: 1 | Alt No:            |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 2        |            |                    |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31113-043)PUMP CASING REQUIRES REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ROTARY/GEAR) OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE THE OUTER CASING. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-31113-044- -SSTG ATCHD LO PMP INT-REPL**MJC:** EXECJCF8**Rev Date:** 9/2/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 270**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31113-044)PUMP INTERNALS REQUIRE REPLACEMENT

OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ROTARY/GEAR) OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE PUMP INTERNALS AS A MATCHED SET (INTERNAL REPLACEMENT KIT) PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF INTERNAL REPLACEMENT REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: I-31113-078- -SSTG VIB TST - MRC G1P1 |              |               | MJC: EXECIGC9 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-31113-078)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-31113-079- -SSTG TURB LABYRINTH - MRC A5I0 |              |               | MJC: EXECIIX9 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-31113-079)TURBINE LABYRINTH PACKING REQUIRES ASSESSMENT. | ACCOMPLISH SSTG TURBINE LABYRINTH PACKING ASSESSMENT IN ACCORDANCE WITH MRC A5I0 AS FOLLOWS: 1. INSPECT TURBINE LABYRINTH PACKING. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-31113-082- -SSTG GLAND SEAL REG - MRC A4V5 |              |               | MJC: EXECIIZ1 |                   | Rev Date: 9/2/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-31113-082)TURBINE GLAND SEAL REGULATOR REQUIRES ASSESSMENT. | ACCOMPLISH SSTG TURBINE GLAND SEAL REGULATOR ASSESSMENT IN ACCORDANCE WITH MRC A4V5 AS FOLLOWS: 1. INSPECT GLAND SEAL REGULATOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: Q-31114-002- -SSTG TURB BRG - RPR |              |               | MJC: EXECQ304  |                   | Rev Date: |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20       | Alt No:   |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31114-002)TURBINE BEARINGS REQUIRE REPAIR | INSPECT AND REPAIR OR REPLACE THE DESIGNATED TURBINE BEARINGS OF THE SSTG SET PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT ALL BRG HOUSING & BRG FINISHED SURFACES ARE CLEAN. ACCOMPLISH AS-FOUND BEARING PINCH CHECKS. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES, BEARING AND JOURNAL DIMENSIONS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF AUTHORIZED RPRS FROM FOLLOWING LIST, ASSEMBLE BRG HOUSINGS & ENSURE BEARING HOUSINGS CONCENTRICITY AND PERPENDICULARITY TO UNIT CENTERLINE. A. RESURFACE AND MACHINE DESIGNATED JOURNALS. B. REPLACE DESIGNATED OIL DEFLECTORS. C. GRIND OR REPLACE THRUST COLLAR. D. REPLACE DESIGNATED THRUST BRG SHOES (ACT/INACTIVE). E. GRIND DESIGNATED THRUST BRG RETAINING RINGS (A/I). F. REPL DESIGNATED THRUST BRG RETAINING RINGS (A/I). G. GRIND DESIGNATED THRUST BRG SHIMS(ACTIVE/INACTIVE). H. REPL DESIGNATED THRUST BRG SHIMS (ACTIVE/INACTIVE). I. REBABBIT DESIGNATED JOURNAL BEARINGS. J. REPLACE DESIGNATED JOURNAL BEARINGS. |

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**Task/Abbreviation:** Q-31114-003- -SSTG SPD GOV - RPR**MJC:** EXECQ305**Rev Date:****RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 360**ManDays:** 8**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31114-003)GOVERNOR REQUIRES REPAIR

ACCOMPLISH AUTHORIZED REPAIRS TO THE ELECTRO-HYDRAULIC SPEED GOVERNOR SYSTEM OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET PER CONDITION ASSESSMENT AND/OR FTSC/OEM RECOMMENDATIONS. DISCONNECT GOVERNOR LINKAGE, TUBE FITTINGS, ELECTRICAL WIRING AND MOUNTING FLANGE. SHIP TO QUALIFIED MAINTENANCE FACILITY FOR TEST STAND EVALUATION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, ASSEMBLE COMPONENTS USING NEW GASKETS, O-RINGS, RETAINING RINGS AND SEALS AND ENSURE OIL PASSAGES ARE FREE FROM FOREIGN MATTER. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY POST-REPAIRS TEST STAND TEST. REINSTALL GOVERNOR AND CONNECT MOUNTING FLANGE, TUBE FITTINGS, ELECTRICAL WIRING AND LINKAGE. PROVIDE TECHNICAL REPRESENTATIVE FOR IN-PLACE ACCOMPLISHMENT OF SPEED REGULATION ADJUSTMENT AND A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-31114-004- -SSTG THROTTLE VLV - RPR |              |               | MJC: EXECQ306 |                   | Rev Date: |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |           |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 90 | ManDays: 2        | Alt No:   |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |           |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-31114-004)TRIP/THROTTLE VALVE REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE TRIP AND THROTTLE VALVE ASSEMBLY OF THE SHIPS SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE INSULATION, DISASSEMBLE, INSPECT AND NDT VALVE ASSEMBLY, INCLUDING HYDRAULIC OPERATING MECHANISM. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS USING NEW GASKETS, REPLACE MISSING OR UNSERVICEABLE FASTENERS AND REINSULATE VALVE ASSEMBLY. A. RESURFACE AND MACHINE VALVE STEM (INCLUDE PILOT VALVE). B. REPLACE VALVE STEM (INCLUDE PILOT VALVE). C. RESURFACE AND MACHINE MAIN VALVE. D. GRIND AND LAP VALVE SEATS (MAIN AND PILOT). E. REPLACE VALVE SEAT (MAIN). F. REPLACE VALVE STEM BUSHING(S). G. REPLACE PILOT VALVE. H. REPLACE PILOT VALVE BUSHING. I. REPLACE DUMP VALVE. J. REPAIR STEAM STRAINER. K. REPLACE STEAM STRAINER. TEST HYDRAULIC OPERATING MECHANISM AND ADJUST TRIP DEVICE LINKAGE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-005- -SSTG INL STM VLV GR - RPR |              |               | MJC: EXECQ307  |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31114-005)CONTROL VALVE REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE INLET STEAM CONTROL VALVE GEAR ASSEMBLY (LIFTING BEAM TYPE) OF THE SHIPS SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. REMOVE VALVE COVER OFF TURBINE CASING AND INSTALL PROTECTIVE COVER ON TURBINE CASING. DISASSEMBLE, INSPECT AND NDT VALVE GEAR COMPONENTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REINSTALL COMPONENTS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. A. REPAIR LIFTING BEAM. B. REPLACE LIFTING BEAM. C. REPAIR VALVE STEMS. D. REPLACE VALVE STEMS. E. REPLACE VALVE STEM BUSHINGS. F. RESURFACE AND MACHINE VALVES. G. REPLACE VALVES. H. RESURFACE AND MACHINE VALVE SEATS. I. REPLACE VALVE SEATS. ENSURE THAT VALVE COVER AND TURBINE CASING JOINTS ARE IN GOOD CONDITION. SET CRACKING POINT ON VALVES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-006- -SSTG RDCN GR - RPR |              |               | MJC: EXECQ308    |                   | Rev Date: |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |           |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 6,750 | ManDays: 150      | Alt No:   |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-31114-006)REDUCTION GEAR REQUIRES REPAIR | DISCONNECT & RMV INTERFERENCES & RMV UPPER HALF OF RDCN GEAR CASE FOR INTERNAL EXAM. INSP GEAR TOOTH CONTACT & EXAMINE BRGS. ACCOMP BLUE CONTACT CHECK OF GEAR TEETH. HAND WIPE/CLEAN GEAR SUMP. MEAS/RECORD BRG & THRUST CLEARANCES & JOURNAL CONDITION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. UPON COMP OF RPRS, AS AUTH FROM THE FOLLOWING LIST, REASSEM UNIT USING NEW GSKTS/JTING COMPOUND. PROV RECORD OF POST RPR RUNNING CLEARANCES & ALIGNMENT DATA. INSTALL MUSLIN BAGS IN STR BSKT & OP UNIT IN UNLOADED COND MINIMUM OF ONE HOUR. CK BAGS AT 30 MINUTE INTERVALS UNTIL CLEAN. A. POLISH/STONE GEAR TEETH. B. REPLACE/REBABBIT BEARINGS. C. REMOVE GEARS TO SHOP AND MACHINE/POLISH JOURNALS. D. REMOVE, DISMANTLE AND INSPECT QUILL SHAFT ASSEMBLY. F. DISCONNECT/CLN & PICKLE EXTERNAL LUBE OIL PIPING. G. REPLACE DESIGNATED OIL DEFLECTORS. |

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| Task/Abbreviation: Q-31114-007- -SSTG A.C. GEN - RPR |              |               | MJC: EXECQ309    |                   | Rev Date: |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |           |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,710 | ManDays: 38       | Alt No:   |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 1           |                   |           |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31114-007)GENERATOR REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE FOLLOWING DESIGNATED COMPONENTS OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. UPON COMPLETION OF REPAIRS, REINSTALL COMPONENTS REPLACING MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. CONTROLLER / CONTROL PANEL B. COUPLING C. FOUNDATION D. GENERATOR E. INSTRUMENTATION F. MOTOR G. MOUNTS, RESILIENT (REPLACEMENT). |

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|--------------------------------------------------|---------|---------------|------------------|--------------|-----------|-------------------|
| Task/Abbreviation: Q-31114-008- -SSTG TURB - RPR |         |               | MJC: EXECQ838    |              | Rev Date: |                   |
| RCM Analysis:                                    |         | Scheduled: N  | Sit Reqs:        |              | Qty: 4    | Removal Required: |
| Lvl of Maint: 1                                  | Freq: 0 | Equip/Task: 1 | Matl Cost: 6,750 | ManDays: 150 | Alt No:   |                   |
| Referenced Authority:                            |         | Repair Pool:  |                  | MCC: 3       |           |                   |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-31114-008)TURBINE REQUIRES REPAIR | OPEN TURBINE CASING AND REMOVE THE ROTATING ASSEMBLY TO SHOP. CLEAN AND INSPECT ALL PARTS. REPORT CONDITIONS FOUND TO THE NSA. BLAST CLEAN TURBINE ROTOR WITH ALUMINUM OXIDE. DYE-CHECK ROTOR ASSEMBLY BLADING/SHROUDS FOR CRACKS. CLEAN AND DYE-CHECK STATIONARY BLADING NOZZLES IN PLACE. DYNAMICALLY BALANCE ROTOR ASSEMBLY. UPON COMPLETION OF REPAIRS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW CARBON PACKING, LABYRINTH SEALS, GASKETS AND JOINTING COMPOUND. MEASURE AND RECORD ALL AS-RELEASED RUNNING CLEARANCES AND ALIGNMENT DATA. SHIP'S FORCE WILL CONDUCT OPERATIONAL TEST. A. CHROME/MACHINE JOURNALS. B. REMOVE STATIONARY BLADING/NOZZLES, DRESS AND REPAIR. C. DISMANTLE THROTTLE VALVE ASSEMBLY. INSPECT AND PROVIDE REPORT. DYE CHECK/BLUE SEATS AND REPAIR AS NEEDED. D. REBABBIT/REPLACE BEARINGS. E. REPLACE OIL DEFLECTORS. F. RESET ROTOR POSITION INDICATORS. G. RE-ESTABLISH BEARING CLEARANCE CONSTANTS. J. REPAIR TURBINE CASING RELIEF VALVE. |

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| Task/Abbreviation: Q-31114-009- -SSTG LO CLR - RPR |              |               | MJC: EXECQB40  |                   | Rev Date: |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10       | Alt No:   |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31114-009)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER<br>CONDITION ASSESSMENT RECOMMENDATIONS AND AS<br>DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE<br>SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING &<br>INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON<br>COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING<br>LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS<br>AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL<br>DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG<br>DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE<br>ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT<br>PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL<br>COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K.<br>REPLACE TUBE BUNDLE. |



|                                                     |         |               |                |               |         |                   |  |
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| Task/Abbreviation: Q-31114-010- -SSTG AIR CLR - RPR |         |               |                | MJC: EXECQB45 |         | Rev Date:         |  |
| RCM Analysis:                                       |         | Scheduled: N  | Sit Reqs:      |               | Qty: 4  | Removal Required: |  |
| Lvl of Maint: 1                                     | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10   | Alt No: |                   |  |
| Referenced Authority:                               |         | Repair Pool:  |                | MCC: 2        |         |                   |  |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31114-010)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER<br>CONDITION ASSESSMENT RECOMMENDATIONS AND AS<br>DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE<br>SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING &<br>INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON<br>COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING<br>LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS<br>AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL<br>DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG<br>DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE<br>ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT<br>PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL<br>COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K.<br>REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31114-011- -SSTG A.C. GEN - ALIGN |              |               | MJC: EXECQB50  |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-31114-011)A.C. GENERATOR REQUIRES ALIGNMENT | ALIGN THE A.C. GENERATOR OF THE SHIP SERVICE TURBINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. MEASURE AND RECORD AS-FOUND CLEARANCES AND ALIGNMENT DATA. ENSURE THE GENERATOR BEARING, FIELD ROTOR AND STATOR ARE ALL WITHIN THE SAME CENTERLINE. ALIGN FIELD ROTOR TO THE REDUCTION GEAR LOW SPEED SHAFT. SUBMIT A REPORT OF CONDITIONS FOUND, INCLUDING FINAL ALIGNMENT READINGS, TO THE NAVAL SUPERVISING ACTIVITY. A. ACCOMPLISH REQUIRED ALIGNMENT CORRECTIONS. B. INSTALL NEW GENERATOR STATOR-TO-FOUNDATION DOWELS. |

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| Task/Abbreviation: Q-31114-012- -SSTG SET - OIL FLUSH |              |               | MJC: EXECQB55    |                   | Rev Date: |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |           |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 25       | Alt No:   |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2           |                   |           |

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| Reason:  | Problem Description:                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-31114-012)SHIP SERVICE TURBINE GENERATOR SET REQUIRES AN OIL FLUSH | ACCOMPLISH AN OIL FLUSH OF THE SHIP SERVICE TURBINE GENERATOR SET AFTER DISCONNECTING, CLEANING AND PICKLING THE EXTERNAL LUBE OIL PIPING, INCLUDING THE OIL SPRAY NOZZLES. ENSURE THAT OIL SUMP IS CLEAN AND FREE FROM FOREIGN MATTER. REASSEMBLE ALL BEARINGS, BEARING HOUSINGS AND UPPER HALF COVERS. USE A FULL-CAPACITY OIL PUMP FOR OIL FLUSHING AND ENSURE THAT BEARINGS ARE BY-PASSED. FLUSH THROUGH ONE BEARING HOUSING AT A TIME ENSURING MAXIMUM FLOW AND PRESSURE DROP AND UNTIL OIL CONDITION PROVES TO BE FREE FROM FOREIGN MATTER. CLEAN LUBE OIL SUMP (POST- FLUSHING). FLUSH THROUGH INSTALLED FILTER SYSTEM UNTIL VISUAL AND DELTA PRESSURE READINGS ARE ACCEPTABLE. ENSURE THAT NO FOREIGN MATTER IS PRESENT WITHIN SYSTEM BEFORE LOADING UNIT. |

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| Task/Abbreviation: Q-31114-014- -SSTG ATCHD LO PMP - RPR |              |               | MJC: EXECQ157  |                   | Rev Date: |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 360 | ManDays: 8        | Alt No:   |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31114-014)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE ROTARY GEAR PUMP. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-015- -SSTG AIR CLR - PLUG TB |              |               | MJC: EXECJ834  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31114-015)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-016- -SSTG AIR CLR - REPL BUNDLE |              |               | MJC: EXECJ839  |                   | Rev Date: |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 13       | Alt No:   |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31114-016)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-017- -SSTG AIR CLR - REPL TB |              |               | MJC: EXECJ844  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31114-017)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-018- -SSTG AIR CLR - REPL ZINCS |              |               | MJC: EXECJ849  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 6        | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (Q-31114-018)ZINCS REQUIRE REPLACEMENT | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31114-019- -SSTG AIR CLR - REROLL TB |              |               | MJC: EXECJ854  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31114-019)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-020- -SSTG AIR CLR - RPR TB SH |              |               | MJC: EXECJ859  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31114-020)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-021- -SSTG AIR CLR - RPR TB SPRTS |         |               | MJC: EXECJ864  |            | Rev Date: 7/13/2004 |
| RCM Analysis:                                                |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:   |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9 | Alt No:             |
| Referenced Authority:                                        |         | Repair Pool:  | MCC: 2         |            |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31114-021)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-022- -SSTG LO CLR - PLUG TB |              |               | MJC: EXECJ869  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31114-022)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-023- -SSTG LO CLR - REPL TB BUNDLE |  |                                                      |  | MJC: EXECJ874 |  | Rev Date: 7/13/2004                                                                                                                                                                                                                                    |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N                                         |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                                 |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0                                              |  | Equip/Task: 1 |  | Matl Cost:                                                                                                                                                                                                                                             |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                         |  |                                                      |  | Repair Pool:  |  |                                                                                                                                                                                                                                                        |  | MCC: 3            |  |         |  |
| Reason:                                                       |  | Problem Description:                                 |  |               |  | Recommended Solution:                                                                                                                                                                                                                                  |  |                   |  |         |  |
| BASELINE                                                      |  | (Q-31114-023)COOLER TUBE BUNDLE REQUIRES REPLACEMENT |  |               |  | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-31114-024- -SSTG LO CLR - REPL TB |              |               | MJC: EXECJ879  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31114-024)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-025- -SSTG LO CLR - REPL ZINCS |                                        |               | MJC: EXECJ884                                                                                                                                                                                                                                                   |            | Rev Date: 7/13/2004 |
| RCM Analysis:                                             |                                        | Scheduled: N  | Sit Reqs:                                                                                                                                                                                                                                                       | Qty: 4     | Removal Required:   |
| Lvl of Maint: 1                                           | Freq: 0                                | Equip/Task: 1 | Matl Cost: 450                                                                                                                                                                                                                                                  | ManDays: 6 | Alt No:             |
| Referenced Authority:                                     |                                        | Repair Pool:  | MCC: 3                                                                                                                                                                                                                                                          |            |                     |
| Reason:                                                   | Problem Description:                   |               | Recommended Solution:                                                                                                                                                                                                                                           |            |                     |
| BASELINE                                                  | (Q-31114-025)ZINCS REQUIRE REPLACEMENT |               | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |            |                     |

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| Task/Abbreviation: Q-31114-026- -SSTG LO CLR - REROLL TB |              |               | MJC: EXECJ889  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31114-026)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31114-027- -SSTG LO CLR - RPR TB SH |              |               | MJC: EXECJ894  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31114-027)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-028- -SSTG LO CLR - RPR TB SPRT PLTS |              |               | MJC: EXECJ899  |                   | Rev Date: |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:   |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31114-028)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-029- -SSTG AC GEN W/RTR RMV-CLN |              |               | MJC: EXECJ999  |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 540 | ManDays: 3        | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 1         |                   |           |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-31114-029)ROTOR ASSEMBLY REQUIRES REPAIR | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING AND ROTATING ASSEMBLIES. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. RECONDITION EXCITER AND MAIN ROTOR IN ACCORDANCE WITH THE REQUIREMENTS OF 009-17. REPAIR END BELLS. IN PLACE CLEAN, RINSE, & DRY THE STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. INSTALL NEW BEARINGS, SEALS AND GASKETS. INSTALL ROTATING ASSEMBLIES AND BRUSH RIGGING. ALIGN THE GENERATOR. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                              |  |              |  |               |  |                |  |                   |  |         |  |
|--------------------------------------------------------------|--|--------------|--|---------------|--|----------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-31114-030- -SSTG AC GEN SLIP RINGS-REPL |  |              |  | MJC: EXECJA04 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 135 |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31114-030)SLIP RINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. DISASSEMBLE. REMOVE BRUSH RIGGING. CLEAN BRUSH RIGGING. REPLACE SLIP RINGS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-031- -SSTG AC GEN RTD(S)-REPL |              |               | MJC: EXECJA09  |                   | Rev Date: |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 135 | ManDays: 1        | Alt No:   |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                                        |
| BASELINE | (Q-31114-031)RESISTIVE TEMPERATURE DETECTOR(S) (RTD) REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD CONTINUITY OF RTD(S) CIRCUITRY OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE DEFECTIVE RTD(S). VERIFY CONTINUITY OF RTD(S) CIRCUITRY. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------|--------------|---------------|----------------|-------------------|-----------|
| Task/Abbreviation: Q-31114-032- -SSTG AC GEN IN PLACE-CLN |              |               | MJC: EXECJA14  |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 495 | ManDays: 3        | Alt No:   |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 1         |                   |           |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-31114-032)A.C. GENERATOR REQUIRES CLEANING | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. REPLACE OR MACHINE, CLEAN AND POLISH SLIP RINGS. IN PLACE CLEAN, RINSE, & DRY THE ROTOR AND STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-033- -SSTG AC GEN BRUSHES-REPL |         | MJC: EXECJA19 |                | Rev Date:  |                   |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required: |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 1 | Matl Cost: 135 | ManDays: 1 | Alt No:           |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 3         |            |                   |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                        |
| BASELINE | (Q-31114-033)BRUSHES REQUIRE REPLACEMENT | OPEN AND INSPECT THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE AND ADJUST BRUSHES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|------------------------------------------------------------|--------------|---------------|----------------|-------------------|-----------|
| Task/Abbreviation: Q-31114-034- -SSTG AC GEN BEARINGS-REPL |              |               | MJC: EXECJA24  |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 270 | ManDays: 1        | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31114-034)BEARINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE BEARINGS, SEALS, AND GASKETS. ALIGN THE GENERATOR. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31114-035- -SSTG JOURNAL BRGS - RPR |  |              |  | MJC: EXECJBC0 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-31114-035)BEARINGS REQUIRE REPAIR | REPAIR SSTG TURBINE JOURNAL BEARINGS AS FOLLOWS: REMOVE UPPER BEARING HOUSING COVER. ENSURE THAT BEARING HOUSING AND BEARING FINISHED SURFACES ARE CLEAN. MEASURE/RECORD OIL DEFLECTOR TO SHAFT CLEARANCES. DISASSEMBLE BEARING. CLEAN AND EXAMINE THE BEARING FOR WEAR OR DEFECTS. REBABBIT/REPAIR BEARINGS THAT ARE OUT OF TOLERANCE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THE BEARING AND REINSTALL. ENSURE OIL PASSAGE TO THE BEARING IS FREE OF DIRT OR DEBRIS. ASSEMBLE BEARING HOUSING AND ENSURE BEARING HOUSING CONCENTRICITY AND PERPENDICULARITY TO UNIT CENTERLINE. ESTABLISH NEW BEARING CONSTANT. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31114-036- -SSTG THRUST BRG - RPR |              |               | MJC: EXECJBC1  |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 5        | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-31114-036)THRUST BEARING REQUIRES REPAIR | REPAIR SSTG TURBINE THRUST BEARING AS FOLLOWS: REMOVE BEARING COVER. DISASSEMBLE THE THRUST BEARING. INSPECT THRUST COLLAR, SHOES AND PADS. REPAIR/REPLACE PARTS FOUND UNSUITABLE IN ACCORDANCE WITH APPLICABLE TECH MANUAL. REASSEMBLE THRUST BEARING AND SHIM AS NECESSARY TO OBTAIN THRUST CLEARANCE. INSTALL BEARING COVER. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31114-037- -SSTG RDCN GR BRGS - REPL |              |               | MJC: EXECJBC2    |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,625 | ManDays: 100      | Alt No:   |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-31114-037)BEARINGS REQUIRE REPLACEMENT | REPLACE SSTG REDUCTION GEAR BEARINGS. REMOVE THE REDUCTION GEAR COVER. REMOVE THE FORWARD AND AFT HIGH SPEED SHAFT AND THE LOW SPEED SHAFT BEARINGS IN ACCORDANCE WITH THE APPLICABLE TECH MANUAL. INSPECT/MEASURE BEARINGS FOR SURFACE DEFECTS AND WEAR. REPLACE BEARINGS THAT EXCEED WEAR SPECS. REINSTALL REDUCTION GEAR COVER. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31114-038- -RDCN GR OIL DEFLECTORS - REPL |         |               | MJC: EXECJBC3    |            | Rev Date:         |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:        | Qty: 4     | Removal Required: |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 5 | Alt No:           |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3           |            |                   |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                 |
| BASELINE | (Q-31114-038)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE SSTG REDUCTION GEAR OIL DEFLECTORS AS FOLLOWS:<br>REMOVE GEAR COVER. REMOVE OLD DEFLECTORS. STONE SHAFT IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31114-039- -SSTG TURB ROTOR INDICATOR-RPR |  |              |  | MJC: EXECJBC4 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 675 |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                          |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                      |
| BASELINE | (Q-31114-039)TURBINE ROTOR POSITION INDICATOR REQUIRES REPAIR | REPAIR SSTG TURBINE ROTOR POSITION INDICATOR AS FOLLOWS:<br>REMOVE INDICATOR FROM TURBINE. CLEAN AND INSPECT.<br>REPLACE ANY PARTS FOUND DEFECTIVE. VERIFY PROPER ROTOR AXIAL POSITION. REINSTALL AND CALIBRATE INDICATOR. |

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| Task/Abbreviation: Q-31114-040- -SSTG TURB LABYRINTHS - REPL |  |              |  | MJC: EXECJBC5 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 675 |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-31114-040)LABYRINTH REQUIRES REPLACEMENT | REPLACE SSTG TURBINE LABYRINTH SEALS AS FOLLOWS:<br>DISASSEMBLE, CLEAN AND EXAMINE THE LABYRINTH STEAM SEAL ASSEMBLIES FOR WEAR AND DEFECTS. POLISH THE SHAFT IN WAY OF SEAL REMOVALS. REPLACE WITH NEW LABYRINTH PACKING ASSEMBLIES. REASSEMBLE AND RELAG CASING AND PIPING. OPERATIONALLY TEST. |

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| <b>Task/Abbreviation:</b> Q-31114-041- -SSTG TURB OIL DEFLECTORS-REPL |  |                     |  | <b>MJC:</b> EXECJBC6 |  | <b>Rev Date:</b>      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4         |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675 |  | <b>ManDays:</b> 2        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                       |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                     | <b>Recommended Solution:</b>                                                                                                                             |
| BASELINE       | (Q-31114-041)OIL DEFLECTOR REQUIRES REPLACEMENT | REPLACE SSTG TURBINE OIL DEFLECTORS AS FOLLOWS: REMOVE OLD DEFLECTORS. STONE SHAFT IN WAY OF DEFLECTORS. INSTALL NEW OIL DEFLECTORS. OPERATIONALLY TEST. |

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| Task/Abbreviation: Q-31114-042- -SSTG CASING RELIEF VLV - RPR |                                           | MJC: EXECJBC7                                                                                                                                                                                                   | Rev Date:        |                   |         |
| RCM Analysis:                                                 | Scheduled: N                              | Sit Reqs:                                                                                                                                                                                                       | Qty: 4           | Removal Required: |         |
| Lvl of Maint: 1                                               | Freq: 0                                   | Equip/Task: 1                                                                                                                                                                                                   | Matl Cost: 4,725 | ManDays: 74       | Alt No: |
| Referenced Authority:                                         | Repair Pool:                              | MCC: 3                                                                                                                                                                                                          |                  |                   |         |
| Reason:                                                       | Problem Description:                      | Recommended Solution:                                                                                                                                                                                           |                  |                   |         |
| BASELINE                                                      | (Q-31114-042)RELIEF VALVE REQUIRES REPAIR | REPAIR SSTG CASING RELIEF VALVE. REMOVE VALVE TO SHOP AND ACCOMPLISH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-52. ON COMPLETION OF REPAIRS, REINSTALL VALVE AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                  |                   |         |



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|-------------------------------------------------------------|---------|---------------|---------------|------------|-------------------|
| Task/Abbreviation: Q-31114-043- -SSTG ATCHD LO PMP CSG-REPL |         |               | MJC: EXECJCF9 |            | Rev Date:         |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:     | Qty: 4     | Removal Required: |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 90 | ManDays: 1 | Alt No:           |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 2        |            |                   |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31114-043)PUMP CASING REQUIRES REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ROTARY/GEAR) OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE THE OUTER CASING. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31114-044- -SSTG ATCHD LO PMP INT-REPL |  |              |  | MJC: EXECJCG0 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 270 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31114-044)PUMP INTERNALS REQUIRE REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ATTACHED LUBE OIL PUMP (ROTARY/GEAR) OF THE SHIP SERVICE STEAM TURBINE GENERATOR SET. REPLACE PUMP INTERNALS AS A MATCHED SET (INTERNAL REPLACEMENT KIT) PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF INTERNAL REPLACEMENT REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-31114-077- -SSTG VIB TST - MRC G1P1 |              |               | MJC: EXECIGD0 |                   | Rev Date: 2/29/2008 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-31114-077)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-31114-078- -SSTG TURB LABYRINTH - MRC A5I0 |  |              |  | MJC: EXECIY0  |  | Rev Date: 2/19/2010 |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-31114-078)TURBINE LABYRINTH PACKING REQUIRES ASSESSMENT. | ACCOMPLISH SSTG TURBINE LABYRINTH PACKING ASSESSMENT IN ACCORDANCE WITH MRC A5I0 AS FOLLOWS: 1. INSPECT TURBINE LABYRINTH PACKING. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-31114-080- -SSTG GLAND SEAL REG - MRC A4V5 |              |               | MJC: EXECIIZ2 |                   | Rev Date: 2/23/2010 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-31114-080)TURBINE GLAND SEAL REGULATOR REQUIRES ASSESSMENT. | ACCOMPLISH SSTG TURBINE GLAND SEAL REGULATOR ASSESSMENT IN ACCORDANCE WITH MRC A4V5 AS FOLLOWS: 1. INSPECT GLAND SEAL REGULATOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|--|---------------------|--|----------------------|--|---------------------------|--|--------------------------|--|----------------------------|--|
| <b>Task/Abbreviation:</b> A-31210-006- -AER LHA1-00396 - ACCOMP |  |                     |  | <b>MJC:</b> EXTYA655 |  | <b>Rev Date:</b> 3/7/2004 |  |                          |  |                            |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> |  |                            |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 100      |  | <b>Alt No:</b> TYLHA 00396 |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                            |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                  | <b>Recommended Solution:</b>                                                                                                                                                                                                |
| BASELINE       | (A-31210-6) AER LHA1-00396, REPL OBSOLETE AIR START MOTORS, NOT ACCOMPLISHED | ACCOMPLISH AER LHA1-00396 WHICH REPLACES THE OBSOLETE INGERSOL-RAND AIR START MOTORS, P/N B41RH1SZ20BM, FOR THE EMERGENCY DIESEL GENERATORS WITH CURRENT, PARTS SUPPORTED, INGERSOL-RAND AIR START MOTORS P/N SS810GB03R31. |

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**Task/Abbreviation:** I-31211-001- -EDG AC GEN - INSP/ TST**MJC:** EXECI237**Rev Date:** 7/20/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-31211-001)THE EMERGENCY DIESEL GENERATOR  
REQUIRES INSPECTIONACCOMPLISH AN INSPECTION AND OPERATIONAL TEST OF THE  
EMERGENCY DIESEL GENERATOR. REPORT CONDITIONS FOUND TO  
THE SHIP'S CSMP. TO INCLUDE: A. ALARM AND SAFETY DEVICES.  
B. GOVERNOR SYSTEM, OVERSPEED. C. GOVERNOR SYSTEM,  
SPEED. D. LOAD TESTS (SINGLE/PARALLEL MODES), OPERATIONAL.  
E. REGULATION SYSTEM, VOLTAGE. F. SYNCHRONIZING DEVICE  
SYSTEM. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-31211-002- -EDG DSL ENG - RPR |              |               | MJC: EXECQ865    |                   | Rev Date: 4/23/2002 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,375 | ManDays: 75       | Alt No:             |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31211-002)DIESEL ENGINE REQUIRES REPAIR | REPAIR EDG ENGINE PER DIESEL ENGINE INSPECTION REPORT. DISASSEMBLE THE ENGINE AND ACCOMPLISH DESIGNATED REPAIRS. ON COMPLETION OF REPAIRS, REASSEMBLE ENGINE, ADJUST CLEARANCES TO MANUFACTURER'S SPECIFICATIONS. ENSURE SATISFACTORY ALIGNMENT BETWEEN DIESEL ENGINE AND GENERATOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. PROVIDE ____ MANDAYS OF LABOR AND _____ DOLLARS OF MATERIAL FOR REPAIRS. PROVIDE A QUALIFIED MANUFACTURER'S TECHNICAL REPRESENTATIVE TO ASSIST IN ACCOMPLISHING THE REPAIRS AND OPERATIONAL TESTING. |



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| Task/Abbreviation: Q-31211-003- -EDG AC GEN - RPR |  |              |  | MJC: EXECQ866 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                     |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                   |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,250 |  | ManDays: 50       |  | Alt No: |  |
| Referenced Authority:                             |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-31211-003)GENERATOR REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE FOLLOWING DESIGNATED COMPONENTS OF THE EMERGENCY DIESEL GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. UPON COMPLETION OF REPAIRS, REINSTALL COMPONENTS REPLACING MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. CONTROLLER / CONTROL PANEL B. COUPLING C. FOUNDATION D. GENERATOR E. INSTRUMENTATION F. MOTOR G. MOUNTS, RESILIENT (REPLACEMENT). |

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| Task/Abbreviation: Q-31211-004- -EDG FUEL INJ/NOZ - RPR |         |                | MJC: EXECQB90 |            | Rev Date: |                   |
| RCM Analysis:                                           |         | Scheduled: N   | Sit Reqs:     |            | Qty: 32   | Removal Required: |
| Lvl of Maint: 2                                         | Freq: 0 | Equip/Task: 16 | Matl Cost: 45 | ManDays: 1 | Alt No:   |                   |
| Referenced Authority:                                   |         | Repair Pool:   | MCC: 3        |            |           |                   |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                    |
| BASELINE | (Q-31211-004)FUEL INJECTOR REQUIRES REPAIR | REPAIR THE FUEL INJECTORS OF THE EMERGENCY DIESEL ENGINE GENERATOR SET. REMOVE INJECTORS, DISASSEMBLE AND INSPECT INTERNAL PARTS. REPLACE WORN PARTS AND REASSEMBLE. PERFORM POP TEST AND REINSTALL ON ENGINE. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-31211-005- -EDG ELECTRO-HYDR SPD GOV - RPR**MJC:** EXECQB92**Rev Date:****RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 360**ManDays:** 8**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-31211-005)GOVERNOR REQUIRES REPAIR

ACCOMPLISH AUTHORIZED REPAIRS TO ELECTRO-HYDRAULIC SPEED GOV SYS OF THE EDG SET PER CONDITION ASSESSMENT AND/OR FTSC/OEM RECOMMENDATIONS. DISCONNECT GOVERNOR LINKAGE, TUBE FITTINGS, ELECTRICAL WIRING AND MOUNTING FLANGE. SHIP TO QUALIFIED MAINTENANCE FACILITY FOR TEST STAND EVALUATION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, ASSEMBLE COMPONENTS USING NEW GASKETS, O-RINGS, RETAINING RINGS AND SEALS AND ENSURE OIL PASSAGES ARE FREE FROM FOREIGN MATTER. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY POST REPAIRS TEST STAND TEST. REINSTALL GOVERNOR AND CONNECT MOUNTING FLANGE, TUBE FITTINGS, ELECTRICAL WIRING AND LINKAGE. PROVIDE TECHNICAL REPRESENTATIVE FOR IN- PLACE ACCOMPLISHMENT OF SPEED REGULATION ADJUSTMENT AND A SATISFACTORY OPERATIONAL TEST.

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| Task/Abbreviation: Q-31211-006- -EDG LO CLR - RPR |         |               | MJC: EXECQB94  |             | Rev Date: |                   |
| RCM Analysis:                                     |         | Scheduled: N  | Sit Reqs:      |             | Qty: 2    | Removal Required: |
| Lvl of Maint: 1                                   | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10 | Alt No:   |                   |
| Referenced Authority:                             |         | Repair Pool:  |                | MCC: 4      |           |                   |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31211-006)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER<br>CONDITION ASSESSMENT RECOMMENDATIONS AND AS<br>DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE<br>SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING &<br>INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON<br>COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING<br>LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS<br>AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL<br>DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG<br>DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE<br>ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT<br>PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL<br>COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K.<br>REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31211-007- -EDG FW CLRS - RPR |         |               |                | MJC: EXECQB96 |         | Rev Date:         |  |
| RCM Analysis:                                      |         | Scheduled: N  | Sit Reqs:      |               | Qty: 2  | Removal Required: |  |
| Lvl of Maint: 1                                    | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10   | Alt No: |                   |  |
| Referenced Authority:                              |         | Repair Pool:  |                | MCC: 3        |         |                   |  |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-31211-007)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31211-008- -EDG AFTCLR - RPR |  |              |  | MJC: EXECQB98 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                     |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                   |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                             |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-31211-008)AFTERCOOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31211-009- -EDG AIR STG MOT - RPR |              |               | MJC: EXECQB00  |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 2                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 1         |                   |           |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                 |
| BASELINE | (Q-31211-009)AIR START MOTOR REQUIRES REPAIR | REMOVE, DISASSEMBLE, CLEAN AND INSPECT THE AIR START MOTOR OF THE EDG ENGINE. REPLACE WORN AND DAMAGED PARTS. REASSEMBLE START MOTOR USING NEW GASKETS AND SEALS. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS. |

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| Task/Abbreviation: Q-31211-010- -EDG FUEL INJ PMP - RPR |  |              |  | MJC: EXECQB89  |  | Rev Date:     |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:      |  | Qty: 32       |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                         |  | Freq: 0      |  | Equip/Task: 16 |  | Matl Cost: 45 |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:   |  |               |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31211-010)PUMP REQUIRES REPAIR | REMOVE, DISASSEMBLE, CLEAN AND INSPECT THE FUEL INJECTION PUMP. REPORT CONDITIONS FOUND TO THE NSA. REPAIR THE FUEL INJECTION PUMP PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS ASSEMBLE PUMP USING NEW O-RINGS, RETAINING RINGS, SEALS AND WASHERS. ENSURE SATISFACTORY FUEL FLOW. ACCOMPLISH SATISFACTORY SHOP TEST ENSURING FULL-FUEL AND IDLE-FUEL CALIBRATION. TIME INJECTION PUMPS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: IF UNIT INJECTORS, REMOVE, TEST AND REPLACE. |



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| Task/Abbreviation: Q-31211-011- -EDG JKT WTR PMP - RPR |              |               | MJC: EXECQA30  |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 2                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31211-011)PUMP REQUIRES REPAIR | REMOVE, DISASSEMBLE, CLEAN AND INSPECT THE JACKET WATER PUMP (ATTACHED) OF THE EMERGENCY DIESEL ENGINE GENERATOR SET. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ASSEMBLE PUMP USING NEW BEARINGS (RADIAL AND THRUST), GASKETS, KEYS, O-RINGS, WATERSEAL ASSEMBLY AND SEALS. ENSURE SATISFACTORY PUMP ALIGNMENT TO DRIVE UNIT AND GEAR BACKLASH. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. A. REPLACE SHAFT. B. REPLACE IMPELLER. C. REPLACE WEARING RING(S). D. REPLACE DRIVE GEAR. E. REPLACE SHAFT SLEEVE. F. REPLACE THE JACKET WATER PUMP ASSEMBLY. |

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| Task/Abbreviation: Q-31211-012- -EDG SW PMP - RPR |              |               | MJC: EXECQA36  |                   | Rev Date: |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 2                                   | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:   |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31211-012)PUMP REQUIRES REPAIR | REMOVE, DISASSEMBLE, CLEAN AND INSPECT THE SEA WATER PUMP (ATTACHED) OF THE EMERGENCY DIESEL ENGINE GENERATOR SET. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ASSEMBLE PUMP USING NEW BEARINGS (RADIAL AND THRUST), GASKETS, KEYS, O-RINGS, WATERSEAL ASSEMBLY AND SEALS. ENSURE SATISFACTORY PUMP ALIGNMENT TO DRIVE UNIT AND GEAR BACKLASH. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. A. REPLACE SHAFT. B. REPLACE IMPELLER. C. REPLACE WEARING RING(S). D. REPLACE DRIVE GEAR. E. REPLACE SHAFT SLEEVE. F. REPLACE THE SEA WATER PUMP ASSEMBLY. |

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| Task/Abbreviation: Q-31211-014- -EDG TURBOCHARGER - RPR |  |              |  | MJC: EXECQA42 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 225 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-31211-014)TURBOCHARGER REQUIRES REPAIR | REPAIR THE EDG TURBOCHARGER. DISASSEMBLE, CLEAN AND INSPECT THE TURBOCHARGER COMPRESSOR END AND TURBINE END IAW TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO THE NSA. DRESS AND/OR REPAIR TURBINE ROTOR BLADING. INSPECT THE NOZZLE RING AND REPLACE IF DAMAGED. DRESS AND/OR REPAIR COMPRESSOR IMPELLER. REPLACE EACH BEARING ASSEMBLY. ON COMPLETION OF REPAIRS, ASSEMBLE TURBOCHARGER USING NEW GASKETS, O-RINGS AND SEALS. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. |

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| Task/Abbreviation: Q-31211-015- -EDG GEN AIR CLR - RPR |              |               | MJC: EXECQA48  |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10       | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-31211-015)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER<br>CONDITION ASSESSMENT RECOMMENDATIONS AND AS<br>DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE<br>SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING &<br>INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON<br>COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING<br>LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS<br>AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL<br>DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG<br>DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE<br>ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT<br>PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN AIR COOLER. J.<br>MECHANICALLY-CLEAN AIR COOLER. K. REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31211-016- -AC GEN TO EDG - ALIGN |  |              |  | MJC: EXECQA54 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 225 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-31211-016)A.C. GENERATOR REQUIRES ALIGNMENT | ALIGN THE A.C. GENERATOR OF THE EMERGENCY DIESEL ENGINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. MEASURE AND RECORD AS-FOUND CLEARANCES AND ALIGNMENT DATA. ENSURE THE GENERATOR BEARING, FIELD ROTORS AND STATOR ARE ALL WITHIN THE SAME CENTERLINE. ALIGN FIELD ROTOR TO THE REDUCTION GEAR LOW SPEED SHAFT. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP INCLUDING FINAL ALIGNMENT READINGS. A. ACCOMPLISH REQUIRED ALIGNMENT CORRECTIONS. B. INSTALL NEW GENERATOR STATOR-TO-FOUNDATIONS DOWELS. |

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| Task/Abbreviation: Q-31211-017- -ATCHD LO PMP - RPR |  |              |  | MJC: EXECQ159 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 360 |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31211-017)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE ROTARY GEAR PUMP. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-31211-019- -POST DSL ENG OVHL INSP- ACCOMP**MJC:** EXECI444**Rev Date:** 7/20/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:** N/A**MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-31211-019)DIESEL ENGINE REQUIRES A POST OVERHAUL/REPAIR INSPECTION

WHEN SIGNIFICANT MAINTENANCE HAS BEEN COMPLETED OR AN ENGINE OVERHAUL PERFORMED, A POST-ENGINE OVERHAUL/REPAIR INSPECTION SHALL BE CONDUCTED BY THE TYPE COMMANDER DIESEL ENGINE INSPECTOR PRIOR TO CONTINUOUS OPERATION. ACCOMPLISH POST DIESEL ENGINE OVERHAUL INSPECTION AS FOLLOWS: A. NOTIFY THE NSA TEN WORK DAYS PRIOR TO START UP OF ENGINE. B. REMOVE COMPONENTS FROM THE ENGINE AS DIRECTED BY THE DIESEL ENGINE INSPECTOR. C. ASSIST THE DIESEL ENGINE INSPECTOR IN TAKING CRANKSHAFT DEFLECTION AND THRUST READINGS. (NOTE: USE SMWG TEMPLATE #233-50 FOR GUIDANCE.) PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-31211-020- -EDG DSL ENG - INSP/OP TST**MJC:** EXECICW4**Rev Date:** 7/20/2011**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 18**Equip/Task:** 1**Matl Cost:****ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:** N/A**MCC:** 2

JOINT FLEET MAINTENANCE MANUAL INST 4790.3 VOLUME 4 PARA 4.3 GC:28HAAC,MA:1363

**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-31211-020)JOINT FLEET MAINTENANCE MANUAL  
INST 4790.3 REQUIREMENT DUE.ACCOMPLISH AN INSPECTION AND OPERATIONAL TEST OF THE  
EMERGENCY DIESEL GENERATOR ENGINE IN ACCORDANCE WITH  
OPNAVINST 9220.3, COMFLTFORCOMINST 4790.3 JOINT FLEET  
MAINTENANCE MANUAL AND S9233-CJ-HBK-010 U.S. NAVY DIESEL  
ENGINE INSPECTOR HANDBOOK. SHIPS FORCE TO PROVIDE A  
MINIMUM OF TWO PERSONNEL TO ASSIST ACCOMPLISHMENT OF  
INSPECTION. SHIPS FORCE ENGINEER TO BE INFORMED OF DATE  
OF INSPECTION IN ORDER TO SCHEDULE ALL DIESEL INSPECTION  
RELATED MAINTENANCE REQUIREMENTS. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.



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| Task/Abbreviation: Q-31211-021- -EDG AFTCLR - PLUG TB |              |               | MJC: EXECJ311  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31211-021)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31211-022- -EDG AFTCLR - REPL TB BUNDLE |  |                     |  | <b>MJC:</b> EXECJ313 |  | <b>Rev Date:</b> 7/13/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450      |  | <b>ManDays:</b> 8        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                          | <b>Recommended Solution:</b>                                                                                                                                                                                                                           |
| BASELINE       | (Q-31211-022)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-023- -EDG AFTCLR - REPL TB |              |               | MJC: EXECJ315  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31211-023)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-024- -EDG AFTCLR - REPL ZINCS |  |                                        |  | MJC: EXECJ317 |  | Rev Date: 7/13/2004                                                                                                                                                                                                                                             |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 450                                                                                                                                                                                                                                                  |  | ManDays: 6        |  | Alt No: |  |
| Referenced Authority:                                    |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 3            |  |         |  |
| Reason:                                                  |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                 |  | (Q-31211-024)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-31211-025- -EDG AFTCLR - REROLL TB |              |               | MJC: EXECJ319  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31211-025)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-026- -EDG AFTCLR - RPR TB SH |  |              |  | MJC: EXECJ321 |  | Rev Date: 7/14/2004 |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450      |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31211-026)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-027- -EDG AFTCLR-RPR TB SPRT PLTS |              |               | MJC: EXECJ323  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31211-027)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-028- -EDG FW CLRS - PLUG TB |              |               | MJC: EXECJ325  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31211-028)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31211-029- -EDG FW CLRS - REPL TB BUNDLE |         |               | MJC: EXECJ327  |            | Rev Date: 7/13/2004 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required:   |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8 | Alt No:             |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3         |            |                     |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31211-029)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-030- -EDG FW CLRS - REPL TB |              |               | MJC: EXECJ329  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31211-030)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31211-031- -EDG FW CLRS - REPL ZINCS |  |                                        |  | <b>MJC:</b> EXECJ331 |  | <b>Rev Date:</b> 7/13/2004                                                                                                                                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450                                                                                                                                                                                                                                           |  | <b>ManDays:</b> 6        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                 |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                   |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                    |  |                          |  |                |  |
| BASELINE                                                         |  | (Q-31211-031)ZINCS REQUIRE REPLACEMENT |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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|----------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-31211-032- -EDG FW CLRS - REROLL TB |              |               | MJC: EXECJ333  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31211-032)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-033- -EDG FW CLRS - RPR TB SH |              |               | MJC: EXECJ335  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31211-033)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-034- -EDG FW CLRS-RPR TB SPRT PLTS |              |               | MJC: EXECJ337  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31211-034)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-035- -EDG GEN AIR CLR - PLUG TB |              |               | MJC: EXECJ339  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31211-035)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-036- -EDG GEN AIR CLR - REPL BUNDLE |         |               | MJC: EXECJ341  |             | Rev Date:         |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 2      | Removal Required: |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 13 | Alt No:           |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3         |             |                   |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31211-036)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31211-037- -EDG GEN AIR CLR - REPL TB |              |               | MJC: EXECJ343  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31211-037)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-038- -EDG GEN AIR CLR - REPL ZINCS |         |               | MJC: EXECJ345  |            | Rev Date:         |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 6 | Alt No:           |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3         |            |                   |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (Q-31211-038)ZINCS REQUIRE REPLACEMENT | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-039- -EDG GEN AIR CLR - REROLL TB |              |               | MJC: EXECJ347  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31211-039)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-040- -EDG GEN AIR CLR - RPR TB SH |              |               | MJC: EXECJ349  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31211-040)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-041- -EDG GEN AIR CLR-RPR TB SPRTS |  |              |  | MJC: EXECJ351 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450      |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31211-041)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-042- -EDG LO CLR - PLUG TB |              |               | MJC: EXECJ353  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 4         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31211-042)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-043- -EDG LO CLR - REPL TB BUNDLE |              |               | MJC: EXECJ355  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 4         |                   |                     |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31211-043)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-044- -EDG LO CLR - REPL TB |  |              |  | MJC: EXECJ357 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450      |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 4            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31211-044)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31211-045- -EDG LO CLR - REPL ZINCS |                                        |               | MJC: EXECJ359                                                                                                                                                                                                                                                   |            | Rev Date: 7/13/2004 |
| RCM Analysis:                                            |                                        | Scheduled: N  | Sit Reqs:                                                                                                                                                                                                                                                       | Qty: 2     | Removal Required:   |
| Lvl of Maint: 1                                          | Freq: 0                                | Equip/Task: 1 | Matl Cost: 450                                                                                                                                                                                                                                                  | ManDays: 6 | Alt No:             |
| Referenced Authority:                                    |                                        | Repair Pool:  | MCC: 4                                                                                                                                                                                                                                                          |            |                     |
| Reason:                                                  | Problem Description:                   |               | Recommended Solution:                                                                                                                                                                                                                                           |            |                     |
| BASELINE                                                 | (Q-31211-045)ZINCS REQUIRE REPLACEMENT |               | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |            |                     |

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| Task/Abbreviation: Q-31211-046- -EDG LO CLR - REROLL TB |              |               | MJC: EXECJ361  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 4         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31211-046)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-047- -EDG LO CLR - RPR TB SH |  |              |  | MJC: EXECJ363 |  | Rev Date: 7/14/2004 |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450      |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                     |  | MCC: 4            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31211-047)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31211-048- -EDG LO CLR-RPR TB SPRT PLTS |  |                     |  | <b>MJC:</b> EXECJ365 |  | <b>Rev Date:</b> 7/13/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450      |  | <b>ManDays:</b> 9        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 4            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                |
| BASELINE       | (Q-31211-048)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-049- -EDG AC GEN W/RTR RMV-CLN |              |               | MJC: EXECJC51  |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 2        | Alt No:   |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31211-049)ROTOR ASSEMBLY REQUIRES REPAIR | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING AND ROTATING ASSEMBLIES. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. RECONDITION EXCITER AND MAIN ROTOR IN ACCORDANCE WITH THE REQUIREMENTS OF 009-17. REPAIR END BELLS. IN PLACE CLEAN, RINSE, & DRY THE STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. INSTALL NEW BEARINGS, SEALS AND GASKETS. INSTALL ROTATING ASSEMBLIES AND BRUSH RIGGING. ALIGN THE GENERATOR. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-050- -EDG AC GEN SET SLIP RINGS-REPL |  |              |  | MJC: EXECJC53 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 225 |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-31211-050)SLIP RINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. DISASSEMBLE. REMOVE BRUSH RIGGING. CLEAN BRUSH RIGGING. REPLACE SLIP RINGS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31211-051- -EDG AC GEN SET BRUSHES-REPL |  |                                          |  | <b>MJC:</b> EXECJC55 |  | <b>Rev Date:</b>                                                                                                                                   |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N                      |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0                           |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 225                                                                                                                              |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                          |  | <b>Repair Pool:</b>  |  |                                                                                                                                                    |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>              |  |                      |  | <b>Recommended Solution:</b>                                                                                                                       |  |                          |  |                |  |
| BASELINE                                                            |  | (Q-31211-051)BRUSHES REQUIRE REPLACEMENT |  |                      |  | OPEN AND INSPECT THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. REPLACE AND ADJUST BRUSHES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-31211-052- -EDG AC GEN RTD(S)-REPL |              |               | MJC: EXECJC57  |                   | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 5        | Alt No:   |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                              |
| BASELINE | (Q-31211-052)RESISTIVE TEMPERATURE DETECTOR(S) (RTD) REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD CONTINUITY OF RTD(S) CIRCUITRY OF THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. REPLACE DEFECTIVE RTD(S). VERIFY CONTINUITY OF RTD(S) CIRCUITRY. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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|----------------------------------------------------------|--------------|---------------|----------------|-------------------|-----------|
| Task/Abbreviation: Q-31211-053- -EDG AC GEN IN PLACE-CLN |              |               | MJC: EXECJC59  |                   | Rev Date: |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 5        | Alt No:   |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |           |

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|----------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31211-053)A.C. GENERATOR REQUIRES CLEANING | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. REPLACE OR MACHINE, CLEAN AND POLISH SLIP RINGS. IN PLACE CLEAN, RINSE, & DRY THE ROTOR AND STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-054- -EDG AC GEN BEARINGS-REPL |              |               | MJC: EXECJC61    |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50       | Alt No:   |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-31211-054)BEARINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. REPLACE BEARINGS, SEALS, AND GASKETS. ALIGN THE GENERATOR. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31211-061- -EDG FUEL INJ - REPL |  |                                                 |  | MJC: EXECJED5  |  | Rev Date:                                                                                      |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N                                    |  | Sit Reqs:      |  | Qty: 32                                                                                        |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                      |  | Freq: 0                                         |  | Equip/Task: 16 |  | Matl Cost: 45                                                                                  |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                |  |                                                 |  | Repair Pool:   |  |                                                                                                |  | MCC: 3            |  |         |  |
| Reason:                                              |  | Problem Description:                            |  |                |  | Recommended Solution:                                                                          |  |                   |  |         |  |
| BASELINE                                             |  | (Q-31211-061)FUEL INJECTOR REQUIRES REPLACEMENT |  |                |  | REMOVE AND REPLACE FUEL OIL INJECTORS ON EDG ENGINE. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-31211-062- -EDG AIR STG MOT - REPL |  |                                                   |  | MJC: EXECJED6 |  | Rev Date:                                                      |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N                                      |  | Sit Reqs:     |  | Qty: 2                                                         |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                         |  | Freq: 0                                           |  | Equip/Task: 1 |  | Matl Cost: 2,700                                               |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                   |  |                                                   |  | Repair Pool:  |  |                                                                |  | MCC: 3            |  |         |  |
| Reason:                                                 |  | Problem Description:                              |  |               |  | Recommended Solution:                                          |  |                   |  |         |  |
| BASELINE                                                |  | (Q-31211-062)AIR START MOTOR REQUIRES REPLACEMENT |  |               |  | REPLACE THE AIR START MOTOR OF THE EDG ENGINE WITH A NEW UNIT. |  |                   |  |         |  |

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| <b>Task/Abbreviation:</b> Q-31211-063- -AIR MOT BENDIX DRIVE -RPR |  |                                                              |  | <b>MJC:</b> EXECJED7 |  | <b>Rev Date:</b>                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N                                          |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                            |  | <b>Freq:</b> 0                                               |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 200                                  |  | <b>ManDays:</b> 2        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                                                              |  | <b>Repair Pool:</b>  |  |                                                        |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                    |  | <b>Problem Description:</b>                                  |  |                      |  | <b>Recommended Solution:</b>                           |  |                          |  |                |  |
| BASELINE                                                          |  | (Q-31211-063)AIR START MOTOR BENDIX DRIVE<br>REQUIRES REPAIR |  |                      |  | REPAIR THE BENDIX DRIVE OF THE EDG AIR STARTING MOTOR. |  |                          |  |                |  |

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| Task/Abbreviation: Q-31211-064- -AIR MOT BENDIX DRIVE -REPL |                                                                   |               | MJC: EXECJED8                                           |            | Rev Date:         |
| RCM Analysis:                                               |                                                                   | Scheduled: N  | Sit Reqs:                                               | Qty: 2     | Removal Required: |
| Lvl of Maint: 2                                             | Freq: 0                                                           | Equip/Task: 1 | Matl Cost: 300                                          | ManDays: 2 | Alt No:           |
| Referenced Authority:                                       |                                                                   | Repair Pool:  | MCC: 3                                                  |            |                   |
| Reason:                                                     | Problem Description:                                              |               | Recommended Solution:                                   |            |                   |
| BASELINE                                                    | (Q-31211-064)AIR START MOTOR BENDIX DRIVE<br>REQUIRES REPLACEMENT |               | REPLACE THE BENDIX DRIVE OF THE EDG AIR STARTING MOTOR. |            |                   |

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| <b>Task/Abbreviation:</b> Q-31211-065- -EDG AIR START VLV - RPR |  |                                              |  | <b>MJC:</b> EXECJED9 |  | <b>Rev Date:</b>                                                                                                                                                                                                 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                          |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                    |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                          |  | <b>Freq:</b> 0                               |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 50                                                                                                                                                                                             |  | <b>ManDays:</b> 2        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                              |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                  |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>                  |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                     |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-31211-065)AIR START VALVE REQUIRES REPAIR |  |                      |  | REMOVE, DISASSEMBLE, CLEAN AND INSPECT THE AIR START VALVE OF THE EDG AIR STARTING MOTOR. REPLACE WORN PARTS. REASSEMBLE THE START VALVE USING NEW GASKETS AND SEALS. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. |  |                          |  |                |  |

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| Task/Abbreviation: Q-31211-066- -EDG AIR START VLV - REPL |  |                                                   |  | MJC: EXECJEE0 |  | Rev Date:                                                  |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N                                      |  | Sit Reqs:     |  | Qty: 2                                                     |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                           |  | Freq: 0                                           |  | Equip/Task: 1 |  | Matl Cost: 150                                             |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                     |  |                                                   |  | Repair Pool:  |  |                                                            |  | MCC: 3            |  |         |  |
| Reason:                                                   |  | Problem Description:                              |  |               |  | Recommended Solution:                                      |  |                   |  |         |  |
| BASELINE                                                  |  | (Q-31211-066)AIR START VALVE REQUIRES REPLACEMENT |  |               |  | REPLACE THE AIR START VALVE OF THE EDG AIR STARTING MOTOR. |  |                   |  |         |  |



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| <b>Task/Abbreviation:</b> Q-31211-067- -EDG TURBOCHARGER - REPL |  |                                                |  | <b>MJC:</b> EXECJEE1 |  | <b>Rev Date:</b>                                                                                          |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                            |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0                                 |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 225                                                                                     |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                                |  | <b>Repair Pool:</b>  |  |                                                                                                           |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>                    |  |                      |  | <b>Recommended Solution:</b>                                                                              |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-31211-067)TURBOCHARGER REQUIRES REPLACEMENT |  |                      |  | REMOVE EDG TURBOCHARGER AND REPLACE WITH A NEW OR REBUILT UNIT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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**Task/Abbreviation:** I-31211-087- -EDG - MRC G2S9**MJC:** EXECI781**Rev Date:** 7/20/2011**RCM Analysis:** 8/2/2004**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-31211-087)THE EMERGENCY DIESEL GENERATOR  
REQUIRES ASSESSMENT.ACCOMPLISH THE EMERGENCY DIESEL GENERATOR ASSESSMENT  
IN ACCORDANCE WITH MRC G2S9 AS FOLLOWS: 1. PERFORM COLD  
CHECKS. 2. PERFORM OPERATIONAL CHECKS. 3. PERFORM  
PARALLEL CHECKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

|                                                              |              |               |               |                   |                     |
|--------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-31211-092- -EDG NO.1 VIB TST - MRC G1P1 |              |               | MJC: EXECIGD9 |                   | Rev Date: 7/20/2011 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-31211-092)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|--------------------------------------------------------------------------|--------------|---------------|------------------|-------------------|----------------------|
| Task/Abbreviation: Q-31211-093- -EDG CRIT HOSE - REPL                    |              |               | MJC: EXECQCR5    |                   | Rev Date: 12/15/2009 |
| RCM Analysis:                                                            | Scheduled: Y | Sit Reqs:     | Qty:             | Removal Required: |                      |
| Lvl of Maint: 2                                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 4        | Alt No:              |
| Referenced Authority:                                                    |              | Repair Pool:  | MCC: 2           |                   |                      |
| NAVSEA S6430-AE-TED-010 NAVSEA CWP CRIT HOSE REPL PROG GC:700020,MA:2265 |              |               |                  |                   |                      |

| Reason:  | Problem Description:                                                                                                                                                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| BASELINE | (Q-31211-093) THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE EMERGENCY DIESEL GENERATOR CRITICAL FLEXIBLE HOSE ASSEMBLY REQUIRES REPLACEMENT AS REQUIRED BY THE NAVSEA CUMBERSOME WORK PRACTICES (CWP) CRITICAL HOSE REPLACEMENT PROGRAM. | REPLACE THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE EMERGENCY DIESEL GENERATOR CRITICAL FLEXIBLE HOSE ASSEMBLY IN ACCORDANCE WITH NAVSEA S6430-AE-TED-010 AS FOLLOWS: A. REMOVE EXISTING FLEXIBLE HOSE ASSEMBLY. B. FABRICATE REPLACEMENT FLEXIBLE HOSE ASSEMBLY UTILIZING TEMPLATE SIZE AND CONFIGURATION FROM EXISTING SHIPBOARD CONDITIONS. C. REUSE EXISTING FITTINGS IF SERVICEABLE OR PROVIDE NEW FITTINGS. D. ACCOMPLISH A HYDROSTATIC TEST OF THE REPLACEMENT SYNTHETIC RUBBER FLEXIBLE HOSE ASSEMBLY. E. INSTALL A NEW IDENTIFICATION TAG. F. INSTALL THE REPLACEMENT CRITICAL FLEXIBLE HOSE ASSEMBLY. G. ACCOMPLISH AN OPERATIONAL TEST AT SYSTEM OPERATING PRESSURE. |

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**Task/Abbreviation:** I-31212-001- -EDG AC GEN - INSP/ TST**MJC:** EXECI242**Rev Date:** 12/4/2007**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-31212-001)THE EMERGENCY DIESEL GENERATOR  
REQUIRES INSPECTIONACCOMPLISH AN INSPECTION AND OPERATIONAL TEST OF THE  
EMERGENCY DIESEL GENERATOR. REPORT CONDITIONS FOUND TO  
THE SHIP'S CSMP. TO INCLUDE: A. ALARM AND SAFETY DEVICES.  
B. GOVERNOR SYSTEM, OVERSPEED. C. GOVERNOR SYSTEM,  
SPEED. D. LOAD TESTS (SINGLE/PARALLEL MODES), OPERATIONAL.  
E. REGULATION SYSTEM, VOLTAGE. F. SYNCHRONIZING DEVICE  
SYSTEM. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.

|                                                    |              |               |                  |                   |           |
|----------------------------------------------------|--------------|---------------|------------------|-------------------|-----------|
| Task/Abbreviation: Q-31212-002- -EDG DSL ENG - RPR |              |               | MJC: EXECQ978    |                   | Rev Date: |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |           |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,375 | ManDays: 75       | Alt No:   |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31212-002)DIESEL ENGINE REQUIRES REPAIR | REPAIR EDG ENGINE PER DIESEL ENGINE INSPECTION REPORT. DISASSEMBLE THE ENGINE AND ACCOMPLISH DESIGNATED REPAIRS. ON COMPLETION OF REPAIRS, REASSEMBLE ENGINE, ADJUST CLEARANCES TO MANUFACTURER'S SPECIFICATIONS. ENSURE SATISFACTORY ALIGNMENT BETWEEN DIESEL ENGINE AND GENERATOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. PROVIDE ____ MANDAYS OF LABOR AND _____ DOLLARS OF MATERIAL FOR REPAIRS. PROVIDE A QUALIFIED MANUFACTURER'S TECHNICAL REPRESENTATIVE TO ASSIST IN ACCOMPLISHING THE REPAIRS AND OPERATIONAL TESTING. |

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| Task/Abbreviation: Q-31212-003- -EDG AC GEN - RPR |  |              |  | MJC: EXECQ979 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                     |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                   |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,250 |  | ManDays: 50       |  | Alt No: |  |
| Referenced Authority:                             |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-31212-003)GENERATOR REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE FOLLOWING DESIGNATED COMPONENTS OF THE EMERGENCY DIESEL GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. UPON COMPLETION OF REPAIRS, REINSTALL COMPONENTS REPLACING MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. CONTROLLER / CONTROL PANEL B. COUPLING C. FOUNDATION D. GENERATOR E. INSTRUMENTATION F. MOTOR G. MOUNTS, RESILIENT (REPLACEMENT). |

|                                                         |  |              |  |                |  |               |  |                   |  |         |  |
|---------------------------------------------------------|--|--------------|--|----------------|--|---------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-31212-004- -EDG FUEL INJ/NOZ - RPR |  |              |  | MJC: EXECQB91  |  | Rev Date:     |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:      |  | Qty: 32       |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                         |  | Freq: 0      |  | Equip/Task: 16 |  | Matl Cost: 45 |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:   |  |               |  | MCC: 1            |  |         |  |

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|----------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                    |
| BASELINE | (Q-31212-004)FUEL INJECTOR REQUIRES REPAIR | REPAIR THE FUEL INJECTORS OF THE EMERGENCY DIESEL ENGINE GENERATOR SET. REMOVE INJECTORS, DISASSEMBLE AND INSPECT INTERNAL PARTS. REPLACE WORN PARTS AND REASSEMBLE. PERFORM POP TEST AND REINSTALL ON ENGINE. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |



|                                                                 |              |               |                |                   |           |
|-----------------------------------------------------------------|--------------|---------------|----------------|-------------------|-----------|
| Task/Abbreviation: Q-31212-005- -EDG ELECTRO-HYDR SPD GOV - RPR |              |               | MJC: EXECQB93  |                   | Rev Date: |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 360 | ManDays: 8        | Alt No:   |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31212-005)GOVERNOR REQUIRES REPAIR | ACCOMPLISH AUTHORIZED REPAIRS TO ELECTRO-HYDRAULIC SPEED GOV SYS OF THE EDG SET PER CONDITION ASSESSMENT AND/OR FTSC/OEM RECOMMENDATIONS. DISCONNECT GOVERNOR LINKAGE, TUBE FITTINGS, ELECTRICAL WIRING AND MOUNTING FLANGE. SHIP TO QUALIFIED MAINTENANCE FACILITY FOR TEST STAND EVALUATION. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, ASSEMBLE COMPONENTS USING NEW GASKETS, O-RINGS, RETAINING RINGS AND SEALS AND ENSURE OIL PASSAGES ARE FREE FROM FOREIGN MATTER. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY POST REPAIRS TEST STAND TEST. REINSTALL GOVERNOR AND CONNECT MOUNTING FLANGE, TUBE FITTINGS, ELECTRICAL WIRING AND LINKAGE. PROVIDE TECHNICAL REPRESENTATIVE FOR IN- PLACE ACCOMPLISHMENT OF SPEED REGULATION ADJUSTMENT AND A SATISFACTORY OPERATIONAL TEST. |

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|---------------------------------------------------|--------------|---------------|----------------|-------------------|-----------|
| Task/Abbreviation: Q-31212-006- -EDG LO CLR - RPR |              |               | MJC: EXECQB95  |                   | Rev Date: |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10       | Alt No:   |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-31212-006)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER<br>CONDITION ASSESSMENT RECOMMENDATIONS AND AS<br>DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE<br>SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING &<br>INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON<br>COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING<br>LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS<br>AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL<br>DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG<br>DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE<br>ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT<br>PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL<br>COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K.<br>REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31212-007- -EDG FW CLRS - RPR |         |               |                | MJC: EXECQB97 |         | Rev Date:         |  |
| RCM Analysis:                                      |         | Scheduled: N  | Sit Reqs:      |               | Qty: 2  | Removal Required: |  |
| Lvl of Maint: 1                                    | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10   | Alt No: |                   |  |
| Referenced Authority:                              |         | Repair Pool:  |                | MCC: 3        |         |                   |  |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-31212-007)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31212-008- -EDG AFTCLR - RPR |  |              |  | MJC: EXECQB99 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                     |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                   |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                             |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-31212-008)AFTERCOOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31212-009- -EDG AIR STG MOT - RPR |              |               | MJC: EXECQB82  |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 2                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                 |
| BASELINE | (Q-31212-009)AIR START MOTOR REQUIRES REPAIR | REMOVE, DISASSEMBLE, CLEAN AND INSPECT THE AIR START MOTOR OF THE EDG ENGINE. REPLACE WORN AND DAMAGED PARTS. REASSEMBLE START MOTOR USING NEW GASKETS AND SEALS. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS. |

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| Task/Abbreviation: Q-31212-010- -EDG FUEL INJ PMP - RPR |         |                |               | MJC: EXECQA00 |         | Rev Date:         |  |
| RCM Analysis:                                           |         | Scheduled: N   | Sit Reqs:     |               | Qty: 32 | Removal Required: |  |
| Lvl of Maint: 2                                         | Freq: 0 | Equip/Task: 16 | Matl Cost: 45 | ManDays: 1    | Alt No: |                   |  |
| Referenced Authority:                                   |         | Repair Pool:   |               | MCC: 4        |         |                   |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31212-010)PUMP REQUIRES REPAIR | REMOVE, DISASSEMBLE, CLEAN AND INSPECT THE FUEL INJECTION PUMP. REPORT CONDITIONS FOUND TO THE NSA. REPAIR THE FUEL INJECTION PUMP PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS ASSEMBLE PUMP USING NEW O-RINGS, RETAINING RINGS, SEALS AND WASHERS. ENSURE SATISFACTORY FUEL FLOW. ACCOMPLISH SATISFACTORY SHOP TEST ENSURING FULL-FUEL AND IDLE-FUEL CALIBRATION. TIME INJECTION PUMPS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: IF UNIT INJECTORS, REMOVE, TEST AND REPLACE. |

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| Task/Abbreviation: Q-31212-011- -EDG JKT WTR PMP - RPR |         |               |                | MJC: EXECQA31 |         | Rev Date:         |  |
| RCM Analysis:                                          |         | Scheduled: N  | Sit Reqs:      |               | Qty: 2  | Removal Required: |  |
| Lvl of Maint: 2                                        | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15   | Alt No: |                   |  |
| Referenced Authority:                                  |         | Repair Pool:  |                | MCC: 3        |         |                   |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31212-011)PUMP REQUIRES REPAIR | REMOVE, DISASSEMBLE, CLEAN AND INSPECT THE JACKET WATER PUMP (ATTACHED) OF THE EMERGENCY DIESEL ENGINE GENERATOR SET. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ASSEMBLE PUMP USING NEW BEARINGS (RADIAL AND THRUST), GASKETS, KEYS, O-RINGS, WATERSEAL ASSEMBLY AND SEALS. ENSURE SATISFACTORY PUMP ALIGNMENT TO DRIVE UNIT AND GEAR BACKLASH. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. A. REPLACE SHAFT. B. REPLACE IMPELLER. C. REPLACE WEARING RING(S). D. REPLACE DRIVE GEAR. E. REPLACE SHAFT SLEEVE. F. REPLACE THE JACKET WATER PUMP ASSEMBLY. |

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| Task/Abbreviation: Q-31212-012- -EDG SW PMP - RPR |         |               |                | MJC: EXECQA37 |         | Rev Date:         |  |
| RCM Analysis:                                     |         | Scheduled: N  | Sit Reqs:      |               | Qty: 2  | Removal Required: |  |
| Lvl of Maint: 2                                   | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15   | Alt No: |                   |  |
| Referenced Authority:                             |         | Repair Pool:  |                | MCC: 3        |         |                   |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31212-012)PUMP REQUIRES REPAIR | REMOVE, DISASSEMBLE, CLEAN AND INSPECT THE SEA WATER PUMP (ATTACHED) OF THE EMERGENCY DIESEL ENGINE GENERATOR SET. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ASSEMBLE PUMP USING NEW BEARINGS (RADIAL AND THRUST), GASKETS, KEYS, O-RINGS, WATERSEAL ASSEMBLY AND SEALS. ENSURE SATISFACTORY PUMP ALIGNMENT TO DRIVE UNIT AND GEAR BACKLASH. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. A. REPLACE SHAFT. B. REPLACE IMPELLER. C. REPLACE WEARING RING(S). D. REPLACE DRIVE GEAR. E. REPLACE SHAFT SLEEVE. F. REPLACE THE SEA WATER PUMP ASSEMBLY. |



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| Task/Abbreviation: Q-31212-014- -EDG TURBOCHARGER - RPR |              |               | MJC: EXECQA43  |                   | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:   |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-31212-014)TURBOCHARGER REQUIRES REPAIR | REPAIR THE EDG TURBOCHARGER. DISASSEMBLE, CLEAN AND INSPECT THE TURBOCHARGER COMPRESSOR END AND TURBINE END IAW TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO THE NSA. DRESS AND/OR REPAIR TURBINE ROTOR BLADING. INSPECT THE NOZZLE RING AND REPLACE IF DAMAGED. DRESS AND/OR REPAIR COMPRESSOR IMPELLER. REPLACE EACH BEARING ASSEMBLY. ON COMPLETION OF REPAIRS, ASSEMBLE TURBOCHARGER USING NEW GASKETS, O-RINGS AND SEALS. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. |

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| Task/Abbreviation: Q-31212-015- -EDG GEN AIR CLR - RPR |  |              |  | MJC: EXECQA49 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                |  | MCC: 4            |  |         |  |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-31212-015)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN AIR COOLER. J. MECHANICALLY-CLEAN AIR COOLER. K. REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-31212-016- -AC GEN TO EDG - ALIGN |              |               | MJC: EXECQA55  |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 5        | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-31212-016)A.C. GENERATOR REQUIRES ALIGNMENT | ALIGN THE A.C. GENERATOR OF THE EMERGENCY DIESEL ENGINE GENERATOR SET PER CONDITION ASSESSMENT RECOMMENDATIONS. MEASURE AND RECORD AS-FOUND CLEARANCES AND ALIGNMENT DATA. ENSURE THE GENERATOR BEARING, FIELD ROTORS AND STATOR ARE ALL WITHIN THE SAME CENTERLINE. ALIGN FIELD ROTOR TO THE REDUCTION GEAR LOW SPEED SHAFT. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP INCLUDING FINAL ALIGNMENT READINGS. A. ACCOMPLISH REQUIRED ALIGNMENT CORRECTIONS. B. INSTALL NEW GENERATOR STATOR-TO-FOUNDATIONS DOWELS. |

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| Task/Abbreviation: Q-31212-017- -ATCHD LO PMP - RPR |  |              |  | MJC: EXECQ160 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 360 |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-31212-017)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE ROTARY GEAR PUMP. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-31212-019- -POST DSL ENG OVHL INSP- ACCOMP |              |               | MJC: EXECI445 |                   | Rev Date: 6/23/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-31212-019)DIESEL ENGINE REQUIRES A POST OVERHAUL/REPAIR INSPECTION | WHEN SIGNIFICANT MAINTENANCE HAS BEEN COMPLETED OR AN ENGINE OVERHAUL PERFORMED, A POST-ENGINE OVERHAUL/REPAIR INSPECTION SHALL BE CONDUCTED BY THE TYPE COMMANDER DIESEL ENGINE INSPECTOR PRIOR TO CONTINUOUS OPERATION. ACCOMPLISH POST DIESEL ENGINE OVERHAUL INSPECTION AS FOLLOWS: A. NOTIFY THE NSA TEN WORK DAYS PRIOR TO START UP OF ENGINE. B. REMOVE COMPONENTS FROM THE ENGINE AS DIRECTED BY THE DIESEL ENGINE INSPECTOR. C. ASSIST THE DIESEL ENGINE INSPECTOR IN TAKING CRANKSHAFT DEFLECTION AND THRUST READINGS. (NOTE: USE SMWG TEMPLATE #233-50 FOR GUIDANCE.) PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

Task/Abbreviation: I-31212-020- -EDG DSL ENG - INSP/OP TST MJC: EXECICW5 Rev Date: 7/24/2007

RCM Analysis: Scheduled: Y Sit Reqs: Qty: 2 Removal Required:

Lvl of Maint: 3 Freq: 18 Equip/Task: 1 Matl Cost: ManDays: 5 Alt No:

Referenced Authority: Repair Pool: N/A MCC: 2

JOINT FLEET MAINTENANCE MANUAL INST 4790.3 VOLUME 4 PARA 4.3 GC:28HAAC,MA:1363

| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| BASELINE | (I-31212-020)JOINT FLEET MAINTENANCE MANUAL INST 4790.3 REQUIREMENT DUE. | ACCOMPLISH AN INSPECTION AND OPERATIONAL TEST OF THE EMERGENCY DIESEL GENERATOR ENGINE IN ACCORDANCE WITH OPNAVINST 9220.3, COMFLTFORCOMINST 4790.3 JOINT FLEET MAINTENANCE MANUAL AND S9233-CJ-HBK-010 U.S. NAVY DIESEL ENGINE INSPECTOR HANDBOOK. SHIPS FORCE TO PROVIDE A MINIMUM OF TWO PERSONNEL TO ASSIST ACCOMPLISHMENT OF INSPECTION. SHIPS FORCE ENGINEER TO BE INFORMED OF DATE OF INSPECTION IN ORDER TO SCHEDULE ALL DIESEL INSPECTION RELATED MAINTENANCE REQUIREMENTS. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-31212-021- -EDG AFTCLR - PLUG TB |              |               | MJC: EXECJ312  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31212-021)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-022- -EDG AFTCLR - REPL TB BUNDLE |         |               | MJC: EXECJ314  |            | Rev Date: 7/13/2004 |
| RCM Analysis:                                                |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required:   |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8 | Alt No:             |
| Referenced Authority:                                        |         | Repair Pool:  | MCC: 3         |            |                     |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31212-022)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31212-023- -EDG AFTCLR - REPL TB |  |              |  | MJC: EXECJ316 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450      |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31212-023)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-024- -EDG AFTCLR - REPL ZINCS |  |                                        |  | MJC: EXECJ318 |  | Rev Date: 7/13/2004                                                                                                                                                                                                                                             |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 450                                                                                                                                                                                                                                                  |  | ManDays: 6        |  | Alt No: |  |
| Referenced Authority:                                    |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 3            |  |         |  |
| Reason:                                                  |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                 |  | (Q-31212-024)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-31212-025- -EDG AFTCLR - REROLL TB |              |               | MJC: EXECJ320  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31212-025)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-026- -EDG AFTCLR - RPR TB SH |              |               | MJC: EXECJ322  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31212-026)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-027- -EDG AFTCLR-RPR TB SPRT PLTS |              |               | MJC: EXECJ324  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31212-027)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-028- -EDG FW CLRS - PLUG TB |              |               | MJC: EXECJ326  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31212-028)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-029- -EDG FW CLRS - REPL TB BUNDLE |         |               | MJC: EXECJ328  |            | Rev Date: 7/13/2004 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required:   |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8 | Alt No:             |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3         |            |                     |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31212-029)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-030- -EDG FW CLRS - REPL TB |              |               | MJC: EXECJ330  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31212-030)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-31212-031- -EDG FW CLRS - REPL ZINCS |  |                                        |  | <b>MJC:</b> EXECJ332 |  | <b>Rev Date:</b> 7/13/2004                                                                                                                                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450                                                                                                                                                                                                                                           |  | <b>ManDays:</b> 6        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                 |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                   |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                    |  |                          |  |                |  |
| BASELINE                                                         |  | (Q-31212-031)ZINCS REQUIRE REPLACEMENT |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-31212-032- -EDG FW CLRS - REROLL TB |              |               | MJC: EXECJ334  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31212-032)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-033- -EDG FW CLRS - RPR TB SH |         |               | MJC: EXECJ336  |            | Rev Date: 7/14/2004 |
| RCM Analysis:                                            |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required:   |
| Lvl of Maint: 1                                          | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9 | Alt No:             |
| Referenced Authority:                                    |         | Repair Pool:  | MCC: 3         |            |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31212-033)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-034- -EDG FW CLRS-RPR TB SPRT PLTS |              |               | MJC: EXECJ338  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31212-034)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-035- -EDG GEN AIR CLR - PLUG TB |              |               | MJC: EXECJ340  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31212-035)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31212-036- -EDG GEN AIR CLR - REPL BUNDLE |  |                     |  | <b>MJC:</b> EXECJ342 |  | <b>Rev Date:</b>      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2         |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450 |  | <b>ManDays:</b> 13       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                       |  | <b>MCC:</b> 4            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                          | <b>Recommended Solution:</b>                                                                                                                                                                                                                           |
| BASELINE       | (Q-31212-036)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-037- -EDG GEN AIR CLR - REPL TB |              |               | MJC: EXECJ344  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 4         |                   |                     |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31212-037)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-038- -EDG GEN AIR CLR - REPL ZINCS |  |                                        |  | MJC: EXECJ346 |  | Rev Date:                                                                                                                                                                                                                                                       |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 450                                                                                                                                                                                                                                                  |  | ManDays: 6        |  | Alt No: |  |
| Referenced Authority:                                         |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                 |  | MCC: 4            |  |         |  |
| Reason:                                                       |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                           |  |                   |  |         |  |
| BASELINE                                                      |  | (Q-31212-038)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |



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| Task/Abbreviation: Q-31212-039- -EDG GEN AIR CLR - REROLL TB |              |               | MJC: EXECJ348  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31212-039)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-040- -EDG GEN AIR CLR - RPR TB SH |  |              |  | MJC: EXECJ350 |  | Rev Date: 7/14/2004 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450      |  | ManDays: 9        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                     |  | MCC: 4            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31212-040)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-041- -EDG GEN AIR CLR-RPR TB SPRTS |              |               | MJC: EXECJ352  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 4         |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31212-041)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-042- -EDG LO CLR - PLUG TB |              |               | MJC: EXECJ354  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 4         |                   |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31212-042)COOLER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-043- -EDG LO CLR - REPL TB BUNDLE |              |               | MJC: EXECJ356  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 4         |                   |                     |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-31212-043)COOLER TUBE BUNDLE REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-044- -EDG LO CLR - REPL TB |  |              |  | MJC: EXECJ358 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450      |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 4            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-31212-044)COOLER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31212-045- -EDG LO CLR - REPL ZINCS |  |                                        |  | <b>MJC:</b> EXECJ360 |  | <b>Rev Date:</b> 7/13/2004                                                                                                                                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450                                                                                                                                                                                                                                           |  | <b>ManDays:</b> 6        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                 |  | <b>MCC:</b> 4            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                    |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-31212-045)ZINCS REQUIRE REPLACEMENT |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-31212-046- -EDG LO CLR - REROLL TB |              |               | MJC: EXECJ362  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 4         |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31212-046)COOLER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31212-047- -EDG LO CLR - RPR TB SH |              |               | MJC: EXECJ364  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 4         |                   |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31212-047)COOLER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-048- -EDG LO CLR-RPR TB SPRT PLTS |         |               | MJC: EXECJ366  |            | Rev Date: 7/13/2004 |
| RCM Analysis:                                                |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required:   |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9 | Alt No:             |
| Referenced Authority:                                        |         | Repair Pool:  | MCC: 3         |            |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-31212-048)COOLER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-049- -EDG AC GEN W/RTR RMV-CLN |              |               | MJC: EXECJC52  |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 2        | Alt No:   |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-31212-049)ROTOR ASSEMBLY REQUIRES REPAIR | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING AND ROTATING ASSEMBLIES. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. RECONDITION EXCITER AND MAIN ROTOR IN ACCORDANCE WITH THE REQUIREMENTS OF 009-17. REPAIR END BELLS. IN PLACE CLEAN, RINSE, & DRY THE STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. INSTALL NEW BEARINGS, SEALS AND GASKETS. INSTALL ROTATING ASSEMBLIES AND BRUSH RIGGING. ALIGN THE GENERATOR. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-050- -EDG AC GEN SET SLIP RINGS-REPL |              |               | MJC: EXECJC54  |                   | Rev Date: |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 225 | ManDays: 1        | Alt No:   |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-31212-050)SLIP RINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. DISASSEMBLE. REMOVE BRUSH RIGGING. CLEAN BRUSH RIGGING. REPLACE SLIP RINGS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-31212-051- -EDG AC GEN SET BRUSHES-REPL |  |                                          |  | <b>MJC:</b> EXECJC56 |  | <b>Rev Date:</b>                                                                                                                                   |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N                      |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0                           |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 225                                                                                                                              |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                          |  | <b>Repair Pool:</b>  |  |                                                                                                                                                    |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>              |  |                      |  | <b>Recommended Solution:</b>                                                                                                                       |  |                          |  |                |  |
| BASELINE                                                            |  | (Q-31212-051)BRUSHES REQUIRE REPLACEMENT |  |                      |  | OPEN AND INSPECT THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. REPLACE AND ADJUST BRUSHES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-31212-052- -EDG AC GEN RTD(S)-REPL |  |              |  | MJC: EXECJC58 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 675 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                       |
| BASELINE | (Q-31212-052)RESISTIVE TEMPERATURE<br>DETECTOR(S) (RTD) REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD CONTINUITY OF RTD(S) CIRCUITRY<br>OF THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR<br>SET. REPLACE DEFECTIVE RTD(S). VERIFY CONTINUITY OF RTD(S)<br>CIRCUITRY. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-053- -EDG AC GEN IN PLACE-CLN |              |               | MJC: EXECJC60  |                   | Rev Date: |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 5        | Alt No:   |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-31212-053)A.C. GENERATOR REQUIRES CLEANING | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. DISCONNECT SOLID STATE DEVICES. MEASURE INSULATION RESISTANCE OF WINDINGS. VERIFY CONTINUITY OF RTD CIRCUITRY. REMOVE BRUSH RIGGING. PROTECT PARTS SUSCEPTIBLE TO WATER INTRUSION. CLEAN BRUSH RIGGING. REPLACE OR MACHINE, CLEAN AND POLISH SLIP RINGS. IN PLACE CLEAN, RINSE, & DRY THE ROTOR AND STATOR. MONITOR INSULATION RESISTANCE DURING DRYING PROCESS. ALIGN THE GENERATOR. INSTALL BRUSH RIGGING. INSTALL AND ADJUST NEW BRUSHES. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, INSULATION RESISTANCE, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-31212-054- -EDG AC GEN BEARINGS-REPL |              |               | MJC: EXECJC62    |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50       | Alt No:   |
| Referenced Authority:                                     | Repair Pool: | MCC: 3        |                  |                   |           |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-31212-054)BEARINGS REQUIRE REPLACEMENT | OPEN, INSPECT, AND RECORD END BELL, BEARINGS, AND AIR GAP CLEARANCES OF THE A.C. GENERATOR OF THE EMERGENCY DIESEL GENERATOR SET. REPLACE BEARINGS, SEALS, AND GASKETS. ALIGN THE GENERATOR. MEASURE AND RECORD THE FINAL AIR GAP AND BEARING CLEARANCES, AND THRUST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-31212-061- -EDG FUEL INJ - REPL |  |              |  | MJC: EXECJ683  |  | Rev Date:     |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:      |  | Qty: 32       |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                      |  | Freq: 0      |  | Equip/Task: 16 |  | Matl Cost: 45 |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:   |  |               |  | MCC: 1            |  |         |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                          |
| BASELINE | (Q-31212-061)FUEL INJECTOR REQUIRES REPLACEMENT | REMOVE AND REPLACE FUEL OIL INJECTORS ON EDG ENGINE. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

|                                                         |  |                                                   |  |               |  |                                                                |  |                   |  |         |  |
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| Task/Abbreviation: Q-31212-062- -EDG AIR STG MOT - REPL |  |                                                   |  | MJC: EXECJ688 |  | Rev Date:                                                      |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N                                      |  | Sit Reqs:     |  | Qty: 2                                                         |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                         |  | Freq: 0                                           |  | Equip/Task: 1 |  | Matl Cost: 2,700                                               |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                   |  |                                                   |  | Repair Pool:  |  |                                                                |  | MCC: 3            |  |         |  |
| Reason:                                                 |  | Problem Description:                              |  |               |  | Recommended Solution:                                          |  |                   |  |         |  |
| BASELINE                                                |  | (Q-31212-062)AIR START MOTOR REQUIRES REPLACEMENT |  |               |  | REPLACE THE AIR START MOTOR OF THE EDG ENGINE WITH A NEW UNIT. |  |                   |  |         |  |

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| Task/Abbreviation: Q-31212-063- -AIR MOT BENDIX DRIVE -RPR |  |                                                              |  | MJC: EXECJ693 |  | Rev Date:                                              |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N                                                 |  | Sit Reqs:     |  | Qty: 2                                                 |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                            |  | Freq: 0                                                      |  | Equip/Task: 1 |  | Matl Cost: 200                                         |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                      |  |                                                              |  | Repair Pool:  |  |                                                        |  | MCC: 3            |  |         |  |
| Reason:                                                    |  | Problem Description:                                         |  |               |  | Recommended Solution:                                  |  |                   |  |         |  |
| BASELINE                                                   |  | (Q-31212-063)AIR START MOTOR BENDIX DRIVE<br>REQUIRES REPAIR |  |               |  | REPAIR THE BENDIX DRIVE OF THE EDG AIR STARTING MOTOR. |  |                   |  |         |  |

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| Task/Abbreviation: Q-31212-064- -AIR MOT BENDIX DRIVE -REPL |         |               | MJC: EXECJ698  |            | Rev Date:         |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required: |
| Lvl of Maint: 2                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 300 | ManDays: 2 | Alt No:           |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 3         |            |                   |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                   |
| BASELINE | (Q-31212-064)AIR START MOTOR BENDIX DRIVE<br>REQUIRES REPLACEMENT | REPLACE THE BENDIX DRIVE OF THE EDG AIR STARTING MOTOR. |

|                                                                 |  |                                              |  |                      |  |                                                                                                                                                                                                                  |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> Q-31212-065- -EDG AIR START VLV - RPR |  |                                              |  | <b>MJC:</b> EXECJ703 |  | <b>Rev Date:</b>                                                                                                                                                                                                 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                          |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                    |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                          |  | <b>Freq:</b> 0                               |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 50                                                                                                                                                                                             |  | <b>ManDays:</b> 2        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                              |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                  |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>                  |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                     |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-31212-065)AIR START VALVE REQUIRES REPAIR |  |                      |  | REMOVE, DISASSEMBLE, CLEAN AND INSPECT THE AIR START VALVE OF THE EDG AIR STARTING MOTOR. REPLACE WORN PARTS. REASSEMBLE THE START VALVE USING NEW GASKETS AND SEALS. ACCOMPLISH SATISFACTORY OPERATIONAL TESTS. |  |                          |  |                |  |

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| Task/Abbreviation: Q-31212-066- -EDG AIR START VLV - REPL |  |                                                   |  | MJC: EXECJ708 |  | Rev Date:                                                  |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N                                      |  | Sit Reqs:     |  | Qty: 2                                                     |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                           |  | Freq: 0                                           |  | Equip/Task: 1 |  | Matl Cost: 150                                             |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                     |  |                                                   |  | Repair Pool:  |  |                                                            |  | MCC: 3            |  |         |  |
| Reason:                                                   |  | Problem Description:                              |  |               |  | Recommended Solution:                                      |  |                   |  |         |  |
| BASELINE                                                  |  | (Q-31212-066)AIR START VALVE REQUIRES REPLACEMENT |  |               |  | REPLACE THE AIR START VALVE OF THE EDG AIR STARTING MOTOR. |  |                   |  |         |  |

|                                                          |  |                                                |  |               |  |                                                                                                           |  |                   |  |         |  |
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| Task/Abbreviation: Q-31212-067- -EDG TURBOCHARGER - REPL |  |                                                |  | MJC: EXECJ713 |  | Rev Date:                                                                                                 |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N                                   |  | Sit Reqs:     |  | Qty: 2                                                                                                    |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0                                        |  | Equip/Task: 1 |  | Matl Cost: 225                                                                                            |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                    |  |                                                |  | Repair Pool:  |  |                                                                                                           |  | MCC: 2            |  |         |  |
| Reason:                                                  |  | Problem Description:                           |  |               |  | Recommended Solution:                                                                                     |  |                   |  |         |  |
| BASELINE                                                 |  | (Q-31212-067)TURBOCHARGER REQUIRES REPLACEMENT |  |               |  | REMOVE EDG TURBOCHARGER AND REPLACE WITH A NEW OR REBUILT UNIT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: I-31212-083- -EDG - MRC G2S9 |              |               | MJC: EXECI800 |                   | Rev Date: 7/19/2005 |
| RCM Analysis: 8/2/2004                          | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 3                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2        | Alt No:             |
| Referenced Authority:                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-31212-083)THE EMERGENCY DIESEL GENERATOR REQUIRES ASSESSMENT. | ACCOMPLISH THE EMERGENCY DIESEL GENERATOR ASSESSMENT IN ACCORDANCE WITH MRC G2S9 AS FOLLOWS: 1. PERFORM COLD CHECKS. 2. PERFORM OPERATIONAL CHECKS. 3. PERFORM PARALLEL CHECKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-31212-087- -EDG NO.2 VIB TST - MRC G1P1 |  |              |  | MJC: EXECIGE0 |  | Rev Date: 2/29/2008 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-31212-087)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-31212-088- -EDG CRIT HOSE - REPL                    |              |               | MJC: EXECQCR6    |                   | Rev Date: 12/15/2009 |
| RCM Analysis:                                                            | Scheduled: Y | Sit Reqs:     | Qty:             | Removal Required: |                      |
| Lvl of Maint: 2                                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 4        | Alt No:              |
| Referenced Authority:                                                    |              | Repair Pool:  | MCC: 2           |                   |                      |
| NAVSEA S6430-AE-TED-010 NAVSEA CWP CRIT HOSE REPL PROG GC:700020,MA:2265 |              |               |                  |                   |                      |

| Reason:  | Problem Description:                                                                                                                                                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| BASELINE | (Q-31212-088) THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE EMERGENCY DIESEL GENERATOR CRITICAL FLEXIBLE HOSE ASSEMBLY REQUIRES REPLACEMENT AS REQUIRED BY THE NAVSEA CUMBERSOME WORK PRACTICES (CWP) CRITICAL HOSE REPLACEMENT PROGRAM. | REPLACE THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE EMERGENCY DIESEL GENERATOR CRITICAL FLEXIBLE HOSE ASSEMBLY IN ACCORDANCE WITH NAVSEA S6430-AE-TED-010 AS FOLLOWS: A. REMOVE EXISTING FLEXIBLE HOSE ASSEMBLY. B. FABRICATE REPLACEMENT FLEXIBLE HOSE ASSEMBLY UTILIZING TEMPLATE SIZE AND CONFIGURATION FROM EXISTING SHIPBOARD CONDITIONS. C. REUSE EXISTING FITTINGS IF SERVICEABLE OR PROVIDE NEW FITTINGS. D. ACCOMPLISH A HYDROSTATIC TEST OF THE REPLACEMENT SYNTHETIC RUBBER FLEXIBLE HOSE ASSEMBLY. E. INSTALL A NEW IDENTIFICATION TAG. F. INSTALL THE REPLACEMENT CRITICAL FLEXIBLE HOSE ASSEMBLY. G. ACCOMPLISH AN OPERATIONAL TEST AT SYSTEM OPERATING PRESSURE. |

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| Task/Abbreviation: I-31311-001- -UPS - INSP/ TST |              |               | MJC: EXECI124 |                   | Rev Date: 4/24/2008 |
| RCM Analysis:                                    | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                  | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                            |              | Repair Pool:  | MCC: 4        |                   |                     |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-31311-001)THE UNINTERRUPTABLE POWER (UPS) SYSTEM REQUIRES INSPECTION | INSPECT AND TEST THE UNINTERRUPTABLE POWER SYSTEM (UPS). REPORT CONDITIONS FOUND TO THE SHIP'S CSMP TO INCLUDE: A. BATTERIES B. CABLES C. CHARGER, BATTERY D. CONTROLLER E. FOUNDATION AND RACKS. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-31311-002- -UPS BATTERIES - REPL |  |              |  | MJC: EXECQ356 |  | Rev Date:     |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: X        |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: X |  | Matl Cost: 45 |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |               |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-31311-002)UPS BATTERIES REQUIRE REPLACEMENT | REPLACE THE BATTERIES OF THE UNINTERRUPTABLE POWER SYSTEM (UPS) PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS FOLLOWS: A. DISCONNECT BATTERIES (ELECTRICALLY AND MECHANICALLY). B. IDENTIFY AND RETAIN JUMPERS, HOLD-DOWN CLAMPS AND SPACERS. C. CLEAN BATTERIES, JUMPER TERMINALS AND RACKS. D. INSTALL NEW CRES FASTENERS (MIL-S-12222, TYPE I, GRADE 304) E. ACCOMPLISH AN EQUALIZING CHARGE. (NOT APPLICABLE TO MAINTENACE FREE BATTERIES) F. OPERATIONALLY-TEST SYSTEM. |

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**Task/Abbreviation:** I-32111-001- -CABLES/CABLEWAY - INSP**MJC:** EXECI127**Rev Date:** 8/24/2011**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 27**Equip/Task:** 1**Matl Cost:****ManDays:** 35**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-32111-001)CABLE AND CABLEWAY INSPECTIONS  
ARE REQUIRED TO BE ACCOMPLISHED IAW  
NAVSEAINST 9304.1DWITHIN 12 MONTHS PRIOR TO THE START OF AN INDUSTRIAL  
AVAILABILITY LONGER THAN 6 WEEKS NAVSEAINST 9304.1D  
SHIPBOARD ELECTRICAL CABLE AND CABLEWAY INSPECTION AND  
REPORTING PROCEDURES SHALL BE ACCOMPLISHED. CABLES AND  
CABLEWAYS ARE REQUIRED TO BE IAW DOD-STD-2003 ELECTRICAL  
PLANT INSTALLATION STANDARDS METHODS. IDENTIFY  
DISCREPANCIES AS CATEGORY 1, 2 OR 3. CATEGORY 1 ITEMS:  
ITEMS WHICH ARE, OR HAVE THE IMMEDIATE POTENTIAL TO BE  
PERSONNEL SAFETY HAZARDS, ELECTRICAL FIRE HAZARDS OR  
WHICH NEGATE FIREBREAK AND/OR CONTAINMENT INTEGRITY  
SHALL BE REPORTED TO THE SHIP'S CO AND CORRECTED  
IMMEDIATELY. REPORT ALL CATEGORY 1, 2, AND 3 DISCREPANCIES  
TO THE SHIP'S CO AND CHIEF ENGINEER, TYCOM, AND HOMEPOR  
RMC-MAINTENANCE TEAM. DOCUMENT ALL CATEGORY 1, 2, AND 3  
DISCREPANCIES IN THE SHIP'S CSMP.

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| Task/Abbreviation: I-32111-028- -INPROCESS/FINAL CABLEWAY-INSP |              |               | MJC: EXECIJ87  |                   | Rev Date: 12/6/2010 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 100 | ManDays: 15       | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-32111-028)IN-PROCESS AND FINAL CABLEWAY INSPECTIONS ARE REQUIRED TO BE ACCOMPLISHED DURING CNO AVAILABILITIES IN ACCORDANCE WITH NAVSEAINST 9304.1D. | STANDARD WORK TEMPLATE (SWT) 300-002 SHALL BE INCLUDED IN AVAILABILITY WORK PACKAGE TO MEET THE REQUIREMENT OF IN-PROCESS AND FINAL CABLEWAY INSPECTION IN AREAS AFFECTED BY THE CONTRACT OR WORK PACKAGE AS DETAILED IN NAVSEAINST 9304.1D (SHIPBOARD ELECTRICAL CABLE AND CABLEWAY INSPECTION AND REPORTING PROCEDURES). |

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| Task/Abbreviation: A-32123-007- -AER LHA1-01001 - ACCOMP |  |              |  | MJC: EXTYA862 |  | Rev Date: 9/9/2005 |  |                   |  |                     |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1             |  | Removal Required: |  |                     |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays:          |  | Alt No: TYLHA 01001 |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |                     |  |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                        |
| BASELINE | (A-32123-7) AER LHA1-01001, MOD LCU SHORE PWR CONNECTION, NOT ACCOMPLISHED | ACCOMPLISH AER LHA1-01001 WHICH INSTALLS A DEDICATED SHORE POWER SYSTEM TO PROVIDE THE CAPABILITY TO SUPPLY 100 AMP, 450 VOLT, 3 PHASE SHORE POWER TO LCUS IN THE WELL DECK. |

|                                                          |  |              |  |               |  |                    |  |                   |  |                     |  |
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| Task/Abbreviation: A-32123-008- -AER LHA1-01801 - ACCOMP |  |              |  | MJC: EXTYA864 |  | Rev Date: 9/7/2005 |  |                   |  |                     |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1             |  | Removal Required: |  |                     |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays:          |  | Alt No: TYLHA 01801 |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |                     |  |

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| Reason:  | Problem Description:                                                         | Recommended Solution:                                                                                                                             |
| BASELINE | (A-32123-8) AER LHA1-01801, FUSE BLK CVRS F/FUSED CKT BRKR, NOT ACCOMPLISHED | ACCOMPLISH AER LHA1-01801 WHICH INSTALLS FUSE BLOCK COVERS ON THE FUSED BLOCK PORTION ON AQB-A101, AQB-A102, AND AQB-A103 FUSED CIRCUIT BREAKERS. |



|                                                           |  |              |  |               |  |                     |  |                   |  |         |  |
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| Task/Abbreviation: I-32125-001- -HESS/AESS STATION - INSP |  |              |  | MJC: EXECI425 |  | Rev Date: 6/27/2007 |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 16             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (I-32125-001)HESS/AESS STATION REQUIRES INSPECTION | INSPECT AND CONDUCT LOAD BANK TESTING OF THE HELICOPTER ELECTRICAL SERVICING STATION (HESS) AND/OR AIRCRAFT ELECTRICAL SERVICING STATION (AESS). REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-32125-002- -HESS/AESS STATION - RPR |  |              |  | MJC: EXECQAV4 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 16          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,125 |  | ManDays: 25       |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-32125-002)HESS/AESS STATION REQUIRES REPAIR | REPAIR HESS/AESS STATION AS FOLLOWS: A. REPAIR STATION ENCLOSURE AND COVER. B. REPLACE DAMAGED POWER CABLES. C. REPAIR POWER SUPPLY. D. REPLACE LINE VOLTAGE REGULATOR. E. REPLACE LOAD MONITOR. F. REPLACE CIRCUIT BREAKER. G. PRESERVE EXTERIOR SURFACES IN ACCORDANCE WITH NAVSEA STANDARD ITEM (SI) 009-32. |

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| Task/Abbreviation: Q-32125-003- -HESS/AESS STATION ENCL/COV-RPR |                                                             |                                               | MJC: EXECJAL0    |                   | Rev Date: 5/26/2005 |
| RCM Analysis:                                                   | Scheduled: N                                                | Sit Reqs:                                     | Qty: 16          | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0                                                     | Equip/Task: 1                                 | Matl Cost: 1,125 | ManDays: 4        | Alt No:             |
| Referenced Authority:                                           |                                                             | Repair Pool:                                  | MCC: 2           |                   |                     |
| Reason:                                                         | Problem Description:                                        | Recommended Solution:                         |                  |                   |                     |
| BASELINE                                                        | (Q-32125-003)HESS/AESS STATION ENCLOSURE<br>REQUIRES REPAIR | REPAIR HESS/AESS STATION ENCLOSURE AND COVER. |                  |                   |                     |

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| <b>Task/Abbreviation:</b> Q-32125-004- -HESS/AESS STA (PWR CABLE)-REPL |  |                                               |  | <b>MJC:</b> EXECJAL1 |  | <b>Rev Date:</b> 5/27/2005                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N                           |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 16                                  |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0                                |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,125                         |  | <b>ManDays:</b> 4        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                                               |  | <b>Repair Pool:</b>  |  |                                                 |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b>                   |  |                      |  | <b>Recommended Solution:</b>                    |  |                          |  |                |  |
| BASELINE                                                               |  | (Q-32125-004)POWER CABLE REQUIRES REPLACEMENT |  |                      |  | REPLACE HESS/AESS STATION DAMAGED POWER CABLES. |  |                          |  |                |  |

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| Task/Abbreviation: Q-32125-005- -HESS/AESS STA (PS) - RPR |                                                             |                                                                                                     | MJC: EXECJAL2    |            | Rev Date: 5/27/2005 |
| RCM Analysis:                                             |                                                             | Scheduled: N                                                                                        | Sit Reqs:        | Qty: 16    | Removal Required:   |
| Lvl of Maint: 1                                           | Freq: 0                                                     | Equip/Task: 1                                                                                       | Matl Cost: 5,000 | ManDays: 4 | Alt No:             |
| Referenced Authority:                                     |                                                             | Repair Pool:                                                                                        | MCC: 2           |            |                     |
| Reason:                                                   | Problem Description:                                        | Recommended Solution:                                                                               |                  |            |                     |
| BASELINE                                                  | (Q-32125-005)HESS/AESS STATION POWER SUPPLY REQUIRES REPAIR | REPAIR HESS/AESS STATION POWER SUPPLY. UPON COMPLETION, ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                  |            |                     |

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| <b>Task/Abbreviation:</b> Q-32125-006- -HESS/AESS STA (V REG)- REPLACE |                                                     |                                                                                                           | <b>MJC:</b> EXECJAL3    |                   | <b>Rev Date:</b> 5/27/2005 |
| <b>RCM Analysis:</b>                                                   |                                                     | <b>Scheduled:</b> N                                                                                       | <b>Sit Reqs:</b>        | <b>Qty:</b> 16    | <b>Removal Required:</b>   |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0                                      | <b>Equip/Task:</b> 1                                                                                      | <b>Matl Cost:</b> 1,125 | <b>ManDays:</b> 4 | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                           |                                                     | <b>Repair Pool:</b>                                                                                       | <b>MCC:</b> 2           |                   |                            |
| <b>Reason:</b>                                                         | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                              |                         |                   |                            |
| BASELINE                                                               | (Q-32125-006)VOLTAGE REGULATOR REQUIRES REPLACEMENT | REPLACE HESS/AESS STATION VOLTAGE REGULATOR. UPON COMPLETION, ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                         |                   |                            |

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| Task/Abbreviation: Q-32125-007- -HESS/AESS STA (LD MON)-REPLACE |                                                |                                                                                                      | MJC: EXECJAL4    |            | Rev Date: 5/27/2005 |
| RCM Analysis:                                                   |                                                | Scheduled: N                                                                                         | Sit Reqs:        | Qty: 16    | Removal Required:   |
| Lvl of Maint: 1                                                 | Freq: 0                                        | Equip/Task: 1                                                                                        | Matl Cost: 1,125 | ManDays: 4 | Alt No:             |
| Referenced Authority:                                           |                                                | Repair Pool:                                                                                         | MCC: 2           |            |                     |
| Reason:                                                         | Problem Description:                           | Recommended Solution:                                                                                |                  |            |                     |
| BASELINE                                                        | (Q-32125-007)LOAD MONITIR REQUIRES REPLACEMENT | REPLACE HESS/AESS STATION LOAD MONITOR. UPON COMPLETION, ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                  |            |                     |

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|-----------------------------------------------------------------------|--|---------------------------------------------------|--|----------------------|--|--------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-32125-008- -HESS/AESS STA (CKT BRKR)-REPL |  |                                                   |  | <b>MJC:</b> EXECJAL5 |  | <b>Rev Date:</b> 5/27/2005                 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                               |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 16                             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                    |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,125                    |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                                   |  | <b>Repair Pool:</b>  |  |                                            |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                       |  |                      |  | <b>Recommended Solution:</b>               |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-32125-008)CIRCUIT BREAKER REQUIRES REPLACEMENT |  |                      |  | REPLACE HESS/AESS STATION CIRCUIT BREAKER. |  |                          |  |                |  |



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|----------------------------------------------------------------------|--|------------------------------------------------------|--|----------------------|--|---------------------------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-32125-009- -HESS/AESS STATION - PRESERVE |  |                                                      |  | <b>MJC:</b> EXECJAL6 |  | <b>Rev Date:</b> 5/27/2005                                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N                                  |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 16                                                                                    |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0                                       |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,125                                                                           |  | <b>ManDays:</b> 4        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                                                      |  | <b>Repair Pool:</b>  |  |                                                                                                   |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                       |  | <b>Problem Description:</b>                          |  |                      |  | <b>Recommended Solution:</b>                                                                      |  |                          |  |                |  |
| BASELINE                                                             |  | (Q-32125-009)HESS/AESS STATION REQUIRES PRESERVATION |  |                      |  | PRESERVE HESS/AESS STATION EXTERIOR SURFACES IN ACCORDANCE WITH NAVSEA STANDARD ITEM (SI) 009-32. |  |                          |  |                |  |

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| Task/Abbreviation: I-32125-010- -HESS/AESS STATION - MRC 8THB |  |              | MJC: EXECI817 |               | Rev Date: 7/20/2007 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                        |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              |               | Repair Pool:  |                     | MCC: 3     |                   |            |         |  |

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|----------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-32125-010)THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION REQUIRES ASSESSMENT. | ACCOMPLISH THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION ASSESSMENT IN ACCORDANCE WITH MRC 8THB AS FOLLOWS: 1. MEASURE OUTPUT VOLTAGE. 2. ADJUST OUTPUT VOLTAGE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|---------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-32125-011- -HESS/AESS STATION - MRC 8THC |              |               | MJC: EXECI818 |                   | Rev Date: 8/30/2007 |
| RCM Analysis: 2/7/2005                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (I-32125-011)THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION REQUIRES ASSESSMENT. | ACCOMPLISH THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION ASSESSMENT IN ACCORDANCE WITH MRC 8THC AS FOLLOWS: 1. INSPECT 400HZ AND 28VDC CABLES. 2. MEASURE 400HZ AND 28VDC CABLE INSULATION RESISTANCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-32125-012- -HESS/AESS STATION - MRC 8THD |  |              | MJC: EXECI819 |               | Rev Date: 8/30/2007 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                        |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-32125-012)THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION REQUIRES ASSESSMENT. | ACCOMPLISH THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION ASSESSMENT IN ACCORDANCE WITH MRC 8THD AS FOLLOWS: 1. CLEAN AND INSPECT LINE VOLTAGE REGULATORS; MEASURE LINE VOLTAGES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-32125-013- -HESS/AESS STATION - MRC 8THE |              |               | MJC: EXECI820 |                   | Rev Date: 3/18/2008 |
| RCM Analysis: 2/7/2005                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-32125-013)THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION REQUIRES ASSESSMENT. | ACCOMPLISH THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION ASSESSMENT IN ACCORDANCE WITH MRC 8THE AS FOLLOWS: 1. CLEAN AND INSPECT LINE VOLTAGE/FREQUENCY MONITOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|---------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-32125-014- -HESS/AESS STATION - MRC 8THG |              |               | MJC: EXECI821 |                   | Rev Date: 8/30/2007 |
| RCM Analysis: 2/7/2005                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-32125-014)THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION REQUIRES ASSESSMENT. | ACCOMPLISH THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION ASSESSMENT IN ACCORDANCE WITH MRC 8THG AS FOLLOWS: 1. CLEAN AND INSPECT AVAILABLE LOAD MONITOR (ALM) AND TEST ALM TRIP TIME DELAY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-32125-015- -HESS/AESS STATION - MRC 8WPH**MJC:** EXECI822**Rev Date:** 8/30/2007**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-32125-015)THE 115VAC 400HZ &amp; 28VDC POWER DISTRIBUTION REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE 115VAC 400HZ &amp; 28VDC POWER DISTRIBUTION ASSESSMENT IN ACCORDANCE WITH MRC 8WPH AS FOLLOWS: 1. CLEAN AND INSPECT MASTER (ON/OFF) SWITCH. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-32125-016- -HESS/AESS STATION - MRC 8WPJ |  |              | MJC: EXECI823 |               | Rev Date: 8/30/2007 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                        |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (I-32125-016)THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION REQUIRES ASSESSMENT. | ACCOMPLISH THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION ASSESSMENT IN ACCORDANCE WITH MRC 8WPJ AS FOLLOWS: 1. CLEAN AND INSPECT CABLE CONNECTION BOX. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-32125-017- -HESS/AESS STATION - MRC 8XTR |  |              | MJC: EXECI824 |               | Rev Date: 8/30/2007 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                        |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-32125-017)THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION REQUIRES ASSESSMENT. | ACCOMPLISH THE 115VAC 400HZ & 28VDC POWER DISTRIBUTION ASSESSMENT IN ACCORDANCE WITH MRC 8XTR AS FOLLOWS: 1. CLEAN AND INSPECT 28VDC POWER SUPPLY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-32125-018- -HESS/AESS STATION - MRC T1K5 |  |              | MJC: EXECI824 |               | Rev Date: 9/5/2007 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                        |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 2 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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|----------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-32125-018)THE 115VAC, 400HZ POWER DIST. 28VDC POWER DIST. 3211 REQUIRES ASSESSMENT. | ACCOMPLISH THE 115VAC, 400HZ POWER DIST. 28VDC POWER DIST. ASSESSMENT IN ACCORDANCE WITH MRC T1K5 AS FOLLOWS: 1. PERFORM MATERIAL CONDITION INSPECTION. 2. START UNIT AND TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-32125-021- -AESS LOAD TEST/CERT - MRC T4E3**MJC:** EXECIJ61**Rev Date:** 9/28/2010**RCM Analysis:** 2/1/2010**Scheduled:** Y**Sit Reqs:****Qty:** 15**Removal Required:****Lvl of Maint:** 3**Freq:** 36**Equip/Task:** 15**Matl Cost:****ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-32125-021)THE 400HZ AND 28VDC POWER DISTRIBUTION SYSTEM REQUIRES LOAD TESTING FOR RE-CERTIFICATION.

**Recommended Solution:**

ACCOMPLISH THE 400HZ AND 28VDC POWER DISTRIBUTION SYSTEM LOAD TESTING FOR EACH AESS/HESS STATION IN ACCORDANCE WITH MRC T4E3 AS FOLLOWS: 1. TEST AIRCRAFT ELECTRICAL SERVICING SYSTEM (AESS) 400HZ/28VDC FUNCTIONAL FOR RE-CERTIFICATION. PROVIDE A COPY OF THE COMPLETED MRC TEST DATA RECORDING SHEETS (TABLE 1, 2, 3, AND 4) FOR EACH STATION TO THE SHIP'S CHIEF ENGINEER AND THE PORT ENGINEER. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|----------------------------------------------------------|---------|---------------|---------------|------------|---------------------|-------------------|
| Task/Abbreviation: I-32411-001- -SS SWGR - CLN/INSP/ TST |         |               | MJC: EXECI128 |            | Rev Date: 5/10/2011 |                   |
| RCM Analysis:                                            |         | Scheduled: N  | Sit Reqs:     |            | Qty: X              | Removal Required: |
| Lvl of Maint: 1                                          | Freq: 0 | Equip/Task: X | Matl Cost:    | ManDays: 3 | Alt No:             |                   |
| Referenced Authority:                                    |         | Repair Pool:  | MCC: 3        |            |                     |                   |

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|----------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-32411-001)THE SHIP SERVICE SWITCHGEAR REQUIRES CLEANING AND INSPECTION. | CLEAN, INSPECT, TEST AND ADJUST IN-PLACE AS APPLICABLE, THE CIRCUIT BREAKERS, COILS (CLOSING AND TRIPPING), GOVERNOR SYSTEM (SPEED-ELECTRONIC), INSTRUMENTATION, RELAYS (LOW VOLTAGE, OVERCURRENT AND REVERSE POWER), SYNCHRONIZING SYSTEM AND TRANSFORMERS (CURRENT AND POWER). REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTES. 1. WORK MUST BE SCHEDULED TO AVOID INTERFERENCE WITH SHIPBOARD AND SHIPYARD ROUTINE AND NOT BE COMMENCED WITHOUT THE SUPERVISOR'S APPROVAL. 2. ON COMPLETION AND IN CONSONANCE WITH THE LIGHT- OFF/TEST SCHEDULE, INSPECT, TEST AND ADJUST ALL ELECTRICAL PROTECTIVE DEVICES. 3. ALL OPERATIONAL TESTS WILL BE ACCOMPLISHED BY SHIP'S FORCE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-32411-002- -EMER SWGR - INSP/ TST**MJC:** EXECI129**Rev Date:** 7/2/2007**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-32411-002)THE EMERGENCY SWITCHGEAR  
REQUIRES INSPECTION AND TESTINGVISUALLY INSPECT AND ACCOMPLISH AN INFRARED SURVEY  
AND/OR ULTRASONIC TESTING ON THE EMERGENCY  
SWITCHBOARD/SWITCHGEAR TO ENSURE TIGHTNESS OF THE BUS  
BAR AND CONDUCTOR TERMINALS/LUGS. REPORT CONDITIONS  
FOUND TO THE SHIP'S CSMP TO INCLUDE CIRCUIT BREAKERS, BUS  
TRANSFER (AUTOMATIC AND MANUAL), COILS (CLOSING AND  
TRIPPING), INSTRUMENTATION AND TRANSFORMERS (CURRENT).  
NOTES. 1. WORK MUST BE SCHEDULED TO AVOID INTERFERENCE  
WITH SHIPBOARD AND SHIPYARD ROUTINE AND NOT TO BE  
COMMENCED WITHOUT THE SUPERVISOR'S APPROVAL. 2. ON  
COMPLETION AND IN CONSONANCE WITH THE LIGHT-OFF/TEST  
SCHEDULE, INSPECT, TEST AND ADJUST ALL ELECTRICAL  
PROTECTIVE DEVICES. 3. ALL OPERATIONAL TESTS WILL BE  
ACCOMPLISHED BY SHIP'S FORCE. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-32411-004- -SHORE PWR PNL - INSP/TST**MJC:** EXECI276**Rev Date:** 9/27/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-32411-004)THE SHORE POWER PANEL REQUIRES INSPECTION

VISUALLY INSPECT AND ACCOMPLISH AN INFRARED SURVEY ON THE SHORE POWER PANEL TO ENSURE TIGHTNESS OF THE BUS BAR AND CONDUCTOR TERMINALS/LUGS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP TO INCLUDE CIRCUIT BREAKERS, COILS (CLOSING AND TRIPPING), INSTRUMENTATION, RELAYS (LOW VOLTAGE, OVERCURRENT AND REVERSE POWER), SYNCHRONIZING SYSTEM AND TRANSFORMERS (CURRENT AND POWER). NOTES. 1. WORK MUST BE SCHEDULED TO AVOID INTERFERENCE WITH SHIPBOARD AND SHIPYARD ROUTINE AND NOT BE COMMENCED WITHOUT THE SUPERVISOR'S APPROVAL. 2. ON COMPLETION AND IN CONSONANCE WITH THE LIGHT OFF/TEST SCHEDULE, INSPECT, TEST AND ADJUST ALL ELECTRICAL PROTECTIVE DEVICES. 3. ALL OPERATIONAL TESTS WILL BE ACCOMPLISHED BY SHIP'S FORCE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|----------------------------------------------------|--------------|---------------|-------------------|-------------------|---------------------|
| Task/Abbreviation: Q-32411-020- -CKT BREAKER - RPR |              |               | MJC: EXECQBH0     |                   | Rev Date: 5/16/2003 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: TBD          | Removal Required: |                     |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 10,400 | ManDays: 18       | Alt No:             |
| Referenced Authority:                              | Repair Pool: | MCC: 3        |                   |                   |                     |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-32411-020)CIRCUIT BREAKER REQUIRES REPAIR | REMOVE CIRCUIT BREAKER AND ACCOMPLISH ONE OF THE FOLLOWING: A. REPAIR CIRCUIT BREAKER PER NAVSEA STANDARD ITEM 009-75. B. CRATE AND SHIP CIRCUIT BREAKER TO THE NAVY DESIGNATED OVERHAUL POINT (DOP) AT PUGET SOUND NAVAL SHIPYARD FOR REPAIR. C. CRATE AND SHIP CIRCUIT BREAKER TO OEM. ON COMPLETION OF REPAIRS, REINSTALL CIRCUIT BREAKER AND OPERATIONALLY TEST. |

|                                                                    |  |                                              |  |                      |  |                                                                                                                                                |  |                          |  |                |  |
|--------------------------------------------------------------------|--|----------------------------------------------|--|----------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-32411-044- -CKT BREAKER (009-75) - RPR |  |                                              |  | <b>MJC:</b> EXECJ091 |  | <b>Rev Date:</b> 8/6/2009                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                          |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0                                                                                                                                  |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0                               |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 375                                                                                                                          |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                              |  | <b>Repair Pool:</b>  |  |                                                                                                                                                |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                  |  |                      |  | <b>Recommended Solution:</b>                                                                                                                   |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-32411-044)CIRCUIT BREAKER REQUIRES REPAIR |  |                      |  | REMOVE CIRCUIT BREAKER AND REPAIR PER NAVSEA STANDARD ITEM 009-75. ON COMPLETION OF REPAIRS, REINSTALL CIRCUIT BREAKER AND OPERATIONALLY TEST. |  |                          |  |                |  |



|                                                           |         |               |                |            |                   |
|-----------------------------------------------------------|---------|---------------|----------------|------------|-------------------|
| Task/Abbreviation: Q-32411-045- -CKT BREAKER (SHIP) - RPR |         | MJC: EXECJ092 |                | Rev Date:  |                   |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:      | Qty: 0     | Removal Required: |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 1 | Matl Cost: 600 | ManDays: 8 | Alt No:           |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 3         |            |                   |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                           |
| BASELINE | (Q-32411-045)CIRCUIT BREAKER REQUIRES OVERHAUL | REMOVE, CRATE AND SHIP CIRCUIT BREAKER TO THE NAVY DESIGNATED OVERHAUL POINT (DOP). ON COMPLETION OF REPAIRS, REINSTALL CIRCUIT BREAKER AND OPERATIONALLY TEST. |

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**Task/Abbreviation:** I-32411-047- -CKT BRKR - MRC 2AN6**MJC:** EXECI826**Rev Date:** 10/5/2011**RCM Analysis:** 8/21/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-32411-047)THE WHIPP AND BOURNE AIR CIRCUIT BREAKER 3241 REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AIR CIRCUIT BREAKER ASSESSMENT IN ACCORDANCE WITH MRC 2AN6 AS FOLLOWS: 1. CLEAN AND INSPECT WHIP AND BOURNE AIR CIRCUIT BREAKERS (ACBS) AND ENSURE THAT EQUIPMENT IS PREPARED FOR OPERATION UNDER ALL POSSIBLE CONDITIONS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE: OBTAIN THE SERVICES OF WHIPP AND BOURNE REPRESENTATIVE IF QUALIFIED PERSONNEL ARE NOT AVAILABLE TO PERFORM THIS CIRCUIT BREAKER MAINTENANCE.

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**Task/Abbreviation:** I-32411-048- -MAIN SWBD APD - MRC 9GTS**MJC:** EXECIAY3**Rev Date:** 4/10/2009**RCM Analysis:** 8/21/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-32411-048)THE MAIN SWITCHBOARD AUTOMATIC PARALLELING DEVICE REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE MAIN SWITCHBOARD AUTOMATIC PARALLELING DEVICE ASSESSMENT IN ACCORDANCE WITH MRC 9GTS AS FOLLOWS: 1. TEST AUTOMATIC PARALLELING DEVICE (APD) IN PERMISSIVE MODE. 2. TEST APD IN TEST MODE AT EPCC. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-32411-050- -MAIN SWBD DEAD BUS - MRC 9LXY**MJC:** EXECIAY5**Rev Date:** 4/10/2009**RCM Analysis:** 8/21/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-32411-050)THE MAIN SWITCHBOARD REQUIRES ASSESSMENT.

ACCOMPLISH THE MAIN SWITCHBOARD ASSESSMENT IN ACCORDANCE WITH MRC 9LXY AS FOLLOWS: 1. TEST GENERATOR AND SWITCHBOARD DEAD BUS START LOGIC. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|-----------------------------------------------------------|--------------|---------------|---------------|-------------------|------------------------|
| Task/Abbreviation: O-32411-054- -FC 1 CLARY NOVA - ACCOMP |              |               | MJC: EXSAO069 |                   | Rev Date: 6/2/2006     |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                        |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: FC 1 CLARY NOV |
| Referenced Authority:                                     | Repair Pool: | MCC: 3        |               |                   |                        |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (O-32411-54) FC 1 CLARY NOVA, UPS FUSE HOLDER SAFETY CVR, NOT ACCOMPLISHED | ACCOMPLISH FC 1 CLARY NOVA WHICH AVOIDS A POTENTIAL FIRE/SHOCK HAZARD WITH CLARY/NOVA SRN SERIES UNINTERRUPTIBLE POWER SUPPLY (UPS) INSTALLED AND IDENTIFIED AS FOLLOWS: IF IT HAS A NOVA SRN SERIES AND A STICKER WITH 900VA, 1250VA, 1500VA OR 2000VA ON THE UPPER LEFT SIDE OF THE FRONT PANEL AND UNIT PRODUCTION DATE IS PRIOR TO NOVEMBER 2000. MODEL NUMBERS ON NAMEPLATES ON RIGHT SIDE OF RACK WITH VARIOUS SUFFIXES (I.E., -I, -J, -K) UPS1-2K-1G-SRN; UPS1-1.5K-SRN; UPS1-1.25K-1G-SRN; UPS1-650-1G-SRN. THE CONTROL SYSTEM IS ON THE LEFT AND THE VENTILATION FILTER ON THE RIGHT. BATTERY FUSE HOLDER IS LOCATED TO THE LEFT OF THE POWER SWITCH. |

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**Task/Abbreviation:** I-32411-060- -IR SURVEY SWBD/LC - MRC T1B6**MJC:** EXECIGN0**Rev Date:** 10/3/2011**RCM Analysis:** 5/8/2009**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 12**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3

RCM CERTIFIED REQUIREMENT ISE ADVISORY 040-07 DOSSERT LU GC:600000,MA:T1B6

**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-32411-060)THE SWITCHBOARD(S) AND LOAD CENTER(S) REQUIRE A THERMAL IMAGE (INFRA RED) SURVEY AS DIRECTED BY ISE ADVISORY 040-07, "USE OF DOSSERT /MECHANICAL LUG CONNECTORS IN SWITCHBOARDS AND LOAD CENTERS" AND MRC T1B6.

AS DIRECTED BY ISE ADVISORY 040-07 ACCOMPLISH A THERMAL IMAGE (INFRA RED) SURVEY OF SWITCHBOARD(S) (SWBD) AND LOAD CENTER(S) (LC) IN ACCORDANCE WITH MRC T1B6 AND THE FOLLOWING: A. INSPECT SWBD AND LC FOR DOSSERT CONNECTORS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. IF DOSSERT CONNECTIONS ARE FOUND, ENTER QUANTITY AND LOCATION IN CLOSING REMARKS. PROVIDE QUANTITY AND LOCATION TO ANDY HARRELL AT (757) 967-3459 (ANDREW.HARRELL@NAVY.MIL) AND DEBORA DENNIS AT (757) 836-3311 (DEBORA.DENNIS@NAVY.MIL). NOTE 1: ACCOMPLISH ANNUALLY, PRE-DEPLOYMENT, AND PRE-AVAILABILITY. NOTE: PER TYCOM, AER 76101 (CG 47, DDG 51, FFG 7, LCC 19, LHA 1, LHD 1, LPD 4, LSD 41, LSD 49, MCM 1) REPLACES DOSSERT CONNECTORS AND IF ANY DOSSERT CONNECTORS ARE NOTED AS FAILING DURING THE INSPECTION, AER 76101 SHOULD BE USED WHEN PRACTICAL TO REPAIR THE FAULT. THE AER REPLACES ALL DOSSERT CONNECTIONS, BUT IT CAN BE IMPLEMENTED IN A PIECE-MEAL FASHION.

|                                                          |  |              |  |               |  |                    |  |                   |  |                     |  |
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| Task/Abbreviation: A-33211-010- -AER LHA1-01302 - ACCOMP |  |              |  | MJC: EXTYA863 |  | Rev Date: 9/7/2005 |  |                   |  |                     |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0             |  | Removal Required: |  |                     |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost: 17,500  |  | ManDays: 320      |  | Alt No: TYLHA 01302 |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |                     |  |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                  |
| BASELINE | (A-33211-10) AER LHA1-01302, INST ELEV WELL DECK LIGHTING, NOT ACCOMPLISHED | ACCOMPLISH AER LHA1-01302 WHICH INSTALLS TWO NIGHT VISION DEVICE (NVD) COMPATIBLE, RHEOSTAT CONTROLLED, OVERHEAD FLOODLIGHTS AT EACH AIRCRAFT ELEVATOR (ACE) ON THE FLIGHT DECK LEVEL. |

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| Task/Abbreviation: I-34111-001- -SSTG LO PMP - INSP |              |               | MJC: EXECI131 |                   | Rev Date: 1/23/2007 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                     |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 4        |                   |                     |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-34111-001)THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP REQUIRES INSPECTION | INSPECT AND TEST THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP TO INCLUDE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. VIBRATION ANALYSIS SURVEY. D. CAPACITY FLOW TEST PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: Q-34111-006- -SSTG LO PMP - RPR |  |              |  | MJC: EXECQ364 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,665 |  | ManDays: 37       |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                  |  | MCC: 4            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-34111-006)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE ROTARY GEAR PUMP. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-34111-010- -SSTG LO PMP MOT-RWND |  |              |  | MJC: EXECJ981 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 408 |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                  |
| BASELINE | (Q-34111-010)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|------------------------------------------------------|---------|---------------|----------------|------------|-------------------|
| Task/Abbreviation: Q-34111-011- -SSTG LO PMP MOT-RPR |         | MJC: EXECJ986 |                | Rev Date:  |                   |
| RCM Analysis:                                        |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required: |
| Lvl of Maint: 1                                      | Freq: 0 | Equip/Task: 1 | Matl Cost: 156 | ManDays: 7 | Alt No:           |
| Referenced Authority:                                |         | Repair Pool:  | MCC: 3         |            |                   |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                               |
| BASELINE | (Q-34111-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-34111-012- -SSTG LO PMP MOT BRG-REPL |              |               | MJC: EXECJ991 |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 78 | ManDays: 2        | Alt No:   |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3        |                   |           |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                    |
| BASELINE | (Q-34111-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------------------|--|-----------------------------------------------|--|----------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-34111-013- -SSTG LO PMP (RTY GR) CSG-REPL |  |                                               |  | <b>MJC:</b> EXECJCX3 |  | <b>Rev Date:</b> 5/25/2005                                                                                                                                                                                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                           |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 900                                                                                                                                                                                                                             |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                               |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                   |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                   |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                      |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-34111-013)PUMP CASING REQUIRES REPLACEMENT |  |                      |  | OPEN, CLEAN, AND INSPECT THE ROTARY/GEAR SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE THE OUTER CASING. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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|----------------------------------------------------------------|--|--------------|--|---------------|--|---------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-34111-014- -SSTG LO PMP (RTY GR) INT-REPL |  |              |  | MJC: EXECJCX4 |  | Rev Date: 5/25/2005 |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900      |  | ManDays: 12       |  | Alt No: |  |
| Referenced Authority:                                          |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-34111-014)PUMP INTERNALS REQUIRE REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ROTARY/GEAR SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE PUMP INTERNALS AS A MATCHED SET (INTERNAL REPLACEMENT KIT) PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF INTERNAL REPLACEMENT REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-34112-001- -SSTG LO PMP - INSP |         |               | MJC: EXECI132 |            | Rev Date: 1/23/2007 |
| RCM Analysis:                                       |         | Scheduled: N  | Sit Reqs:     | Qty: 4     | Removal Required:   |
| Lvl of Maint: 1                                     | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 3 | Alt No:             |
| Referenced Authority:                               |         | Repair Pool:  | MCC: 4        |            |                     |

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|----------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-34112-001)THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP REQUIRES INSPECTION | INSPECT AND TEST THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP TO INCLUDE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. VIBRATION ANALYSIS SURVEY. D. CAPACITY FLOW TEST. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                    |  |              |  |               |  |                  |  |                   |  |         |  |
|----------------------------------------------------|--|--------------|--|---------------|--|------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-34112-006- -SSTG LO PMP - RPR |  |              |  | MJC: EXECQ373 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,665 |  | ManDays: 37       |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                  |  | MCC: 4            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-34112-006)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE ROTARY GEAR PUMP. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-34112-010- -SSTG LO PMP MOT-RWND |  |              |  | MJC: EXECJ982 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 408 |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                  |
| BASELINE | (Q-34112-010)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|------------------------------------------------------|--|--------------|--|---------------|--|----------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-34112-011- -SSTG LO PMP MOT-RPR |  |              |  | MJC: EXECJ987 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 156 |  | ManDays: 7        |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                               |
| BASELINE | (Q-34112-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

|                                                           |         |               |               |            |                   |
|-----------------------------------------------------------|---------|---------------|---------------|------------|-------------------|
| Task/Abbreviation: Q-34112-012- -SSTG LO PMP MOT BRG-REPL |         |               | MJC: EXECJ992 |            | Rev Date:         |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:     | Qty: 4     | Removal Required: |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 1 | Matl Cost: 78 | ManDays: 2 | Alt No:           |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 3        |            |                   |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                    |
| BASELINE | (Q-34112-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-34112-013- -SSTG LO PMP (RTY GR) CSG-REPL |  |                                               |  | <b>MJC:</b> EXECJCX9 |  | <b>Rev Date:</b> 5/25/2005                                                                                                                                                                                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                           |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4                                                                                                                                                                                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                                |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 900                                                                                                                                                                                                                             |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                               |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                   |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                   |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                      |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-34112-013)PUMP CASING REQUIRES REPLACEMENT |  |                      |  | OPEN, CLEAN, AND INSPECT THE ROTARY/GEAR SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE THE OUTER CASING. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-34112-014- -SSTG LO PMP (RTY GR) INT-REPL |  |              |  | MJC: EXECJCY0 |  | Rev Date: 5/25/2005 |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900      |  | ManDays: 12       |  | Alt No: |  |
| Referenced Authority:                                          |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-34112-014)PUMP INTERNALS REQUIRE REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ROTARY/GEAR SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE PUMP INTERNALS AS A MATCHED SET (INTERNAL REPLACEMENT KIT) PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF INTERNAL REPLACEMENT REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-34113-001- -SSTG LO PMP - INSP |              |               | MJC: EXECI133 |                   | Rev Date: 1/23/2007 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                     |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 4        |                   |                     |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-34113-001)THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP REQUIRES INSPECTION | INSPECT AND TEST THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP TO INCLUDE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. VIBRATION ANALYSIS SURVEY. D. CAPACITY FLOW TEST. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-34113-006- -SSTG LO PMP - RPR |         |               |                  | MJC: EXECQ382 |         | Rev Date:         |  |
| RCM Analysis:                                      |         | Scheduled: N  | Sit Reqs:        |               | Qty: 4  | Removal Required: |  |
| Lvl of Maint: 1                                    | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,665 | ManDays: 37   | Alt No: |                   |  |
| Referenced Authority:                              |         | Repair Pool:  |                  | MCC: 4        |         |                   |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-34113-006)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE ROTARY GEAR PUMP. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-34113-010- -SSTG LO PMP MOT-RWND |  |              |  | MJC: EXECJ983 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 408 |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                  |
| BASELINE | (Q-34113-010)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-34113-011- -SSTG LO PMP MOT-RPR |  |              |  | MJC: EXECJ988 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 156 |  | ManDays: 7        |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                               |
| BASELINE | (Q-34113-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-34113-012- -SSTG LO PMP MOT BRG-REPL |              |               | MJC: EXECJ993 |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 78 | ManDays: 2        | Alt No:   |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3        |                   |           |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                    |
| BASELINE | (Q-34113-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-34113-013- -SSTG LO PMP (RTY GR) CSG-REPL |  |                                               |  | MJC: EXECJCY5 |  | Rev Date: 5/26/2005                                                                                                                                                                                                                               |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N                                  |  | Sit Reqs:     |  | Qty: 4                                                                                                                                                                                                                                            |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 0                                       |  | Equip/Task: 1 |  | Matl Cost: 900                                                                                                                                                                                                                                    |  | ManDays: 12       |  | Alt No: |  |
| Referenced Authority:                                          |  |                                               |  | Repair Pool:  |  |                                                                                                                                                                                                                                                   |  | MCC: 3            |  |         |  |
| Reason:                                                        |  | Problem Description:                          |  |               |  | Recommended Solution:                                                                                                                                                                                                                             |  |                   |  |         |  |
| BASELINE                                                       |  | (Q-34113-013)PUMP CASING REQUIRES REPLACEMENT |  |               |  | OPEN, CLEAN, AND INSPECT THE ROTARY/GEAR SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE THE OUTER CASING. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| <b>Task/Abbreviation:</b> Q-34113-014- -SSTG LO PMP (RTY GR) INT-REPL |  |                     |  | <b>MJC:</b> EXECJCY6 |  | <b>Rev Date:</b> 5/26/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 900      |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                     | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE       | (Q-34113-014)PUMP INTERNALS REQUIRE REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ROTARY/GEAR SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE PUMP INTERNALS AS A MATCHED SET (INTERNAL REPLACEMENT KIT) PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF INTERNAL REPLACEMENT REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-34114-001- -SSTG LO PMP - INSP |              |               | MJC: EXECI134 |                   | Rev Date: 1/23/2007 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: |                     |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 4        |                   |                     |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-34114-001)THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP REQUIRES INSPECTION | INSPECT AND TEST THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP TO INCLUDE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. VIBRATION ANALYSIS SURVEY. D. CAPACITY FLOW TEST. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-34114-006- -SSTG LO PMP - RPR |  |              |  | MJC: EXECQ391 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,665 |  | ManDays: 37       |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                  |  | MCC: 4            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-34114-006)PUMP REQUIRES REPAIR | OPEN, CLEAN, AND INSPECT THE ROTARY GEAR PUMP. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT AND GEARS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-34114-010- -SSTG LO PMP MOT-RWND |  |              |  | MJC: EXECJ984 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 408 |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                  |
| BASELINE | (Q-34114-010)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-34114-011- -SSTG LO PMP MOT-RPR |              |               | MJC: EXECJ989  |                   | Rev Date: |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 156 | ManDays: 7        | Alt No:   |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                               |
| BASELINE | (Q-34114-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |



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| Task/Abbreviation: Q-34114-012- -SSTG LO PMP MOT BRG-REPL |         | MJC: EXECJ994 |               | Rev Date:  |                   |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:     | Qty: 4     | Removal Required: |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 1 | Matl Cost: 78 | ManDays: 2 | Alt No:           |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 3        |            |                   |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                    |
| BASELINE | (Q-34114-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-34114-013- -SSTG LO PMP (RTY GR) CSG-REPL |  |                     |  | <b>MJC:</b> EXECJCZ1 |  | <b>Rev Date:</b> 5/25/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 900      |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                   | <b>Recommended Solution:</b>                                                                                                                                                                                                                      |
| BASELINE       | (Q-34114-013)PUMP CASING REQUIRES REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ROTARY/GEAR SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE THE OUTER CASING. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-34114-014- -SSTG LO PMP (RTY GR) INT-REPL |  |                     |  | <b>MJC:</b> EXECJCZ2 |  | <b>Rev Date:</b> 5/25/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 900      |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                     | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE       | (Q-34114-014)PUMP INTERNALS REQUIRE REPLACEMENT | OPEN, CLEAN, AND INSPECT THE ROTARY/GEAR SHIP SERVICE TURBINE GENERATOR LUBE OIL SERVICE PUMP. REPLACE PUMP INTERNALS AS A MATCHED SET (INTERNAL REPLACEMENT KIT) PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF INTERNAL REPLACEMENT REASSEMBLE PUMP. ENSURE A SATISFACTORY PUMP GEAR AND WORM GEAR DRIVE BACKLASH AND CLEARANCES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-34221-001- -EDG SW PMP - INSP/ TST |              |               | MJC: EXECI139 |                   | Rev Date: 2/21/2008 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-34221-001)THE SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP REQUIRES INSPECTION | INSPECT AND TEST THE SEA WATER CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-34221-005- -EDG SW PMP - RPR |              |               | MJC: EXECQ431    |                   | Rev Date: 11/8/2006 |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 30       | Alt No:             |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-34221-005)PUMP REQUIRES REPAIR | REPAIR THE CENTRIFUGAL SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP (CLOSE COUPLED). OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. K. CONDUCT A VIBRATION TEST. L. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-34221-010- -EDG SW PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJC45 |  | <b>Rev Date:</b>        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                        |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                      |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,200 |  | <b>ManDays:</b> 26       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                |  |                     |  | <b>Repair Pool:</b>  |  |                         |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                                             |
| BASELINE       | (Q-34221-010)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-34221-011- -EDG SW PMP MOT-RPR |  |                     |  | <b>MJC:</b> EXECJC47 |  | <b>Rev Date:</b>      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                       |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2         |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                     |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 300 |  | <b>ManDays:</b> 14       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                               |  |                     |  | <b>Repair Pool:</b>  |  |                       |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                                                                                                                                                          |
| BASELINE       | (Q-34221-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-34221-012- -EDG SW PMP MOT BRG-REPL |  |              |  | MJC: EXECJC49 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 150 |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                      |
| BASELINE | (Q-34221-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-34221-013- -EDG SW PMP MECH SEAL -REPLACE |  |                                             |  | <b>MJC:</b> EXECJCM1 |  | <b>Rev Date:</b> 5/27/2005                                                                                                                                                                                                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                                                                                    |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,350                                                                                                                                                                                                                                          |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                  |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                        |  | <b>Problem Description:</b>                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                     |  |                          |  |                |  |
| BASELINE                                                              |  | (Q-34221-013)PUMP SEAL REQUIRES REPLACEMENT |  |                      |  | REPLACE, IN-PLACE, THE SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-34221-014- -EDG SW PMP WEAR RINGS-REPLACE |              |               | MJC: EXECJCM2    |                   | Rev Date: 5/27/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-34221-014)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-34221-021- -EDG SW PMP RT ASSY - REPAIR |              |               | MJC: EXECJCM9    |                   | Rev Date: 5/27/2005 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 15       | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-34221-021)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.<br>NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> I-34221-026- -EDG 1 PMPS VIB TST - MRC G1P1 |  |                     |  | <b>MJC:</b> EXECIGE6 |  | <b>Rev Date:</b> 2/29/2008 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                       | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                            |
| BASELINE       | (I-34221-026)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-34222-001- -EDG SW PMP - INSP/ TST |              |               | MJC: EXECI140 |                   | Rev Date: 2/21/2008 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-34222-001)THE SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP REQUIRES INSPECTION | INSPECT AND TEST THE SEA WATER CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-34222-005- -EDG SW PMP - RPR**MJC:** EXECQ439**Rev Date:** 11/8/2006**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,350**ManDays:** 30**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-34222-005)PUMP REQUIRES REPAIR

REPAIR THE CENTRIFUGAL SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP (CLOSE COUPLED). OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. K. CONDUCT A VIBRATION TEST. L. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC.

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| Task/Abbreviation: Q-34222-010- -EDG SW PMP MOT-RWND |  |              |  | MJC: EXECJC46 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,200 |  | ManDays: 26       |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                    |
| BASELINE | (Q-34222-010)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-34222-011- -EDG SW PMP MOT-RPR |  |              |  | MJC: EXECJC48 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 300 |  | ManDays: 14       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                 |
| BASELINE | (Q-34222-011)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |



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| Task/Abbreviation: Q-34222-012- -EDG SW PMP MOT BRG-REPL |  |              |  | MJC: EXECJC50 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 150 |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  |  | Problem Description:                                     |  | Recommended Solution:                                                                                                                                                                      |  |
| BASELINE |  | (Q-34222-012)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT |  | DISASSEMBLE THE ELECTRIC MOTOR OF THE SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |

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| Task/Abbreviation: Q-34222-013- -EDG SW PMP MECH SEAL -REPLACE |                                             |               |                                                                                                                                                                                                                                                                  | MJC: EXECJCN3 | Rev Date: 5/27/2005 |
| RCM Analysis:                                                  |                                             | Scheduled: N  | Sit Reqs:                                                                                                                                                                                                                                                        | Qty: 2        | Removal Required:   |
| Lvl of Maint: 1                                                | Freq: 0                                     | Equip/Task: 1 | Matl Cost: 1,350                                                                                                                                                                                                                                                 | ManDays: 3    | Alt No:             |
| Referenced Authority:                                          |                                             | Repair Pool:  | MCC: 3                                                                                                                                                                                                                                                           |               |                     |
| Reason:                                                        | Problem Description:                        |               | Recommended Solution:                                                                                                                                                                                                                                            |               |                     |
| BASELINE                                                       | (Q-34222-013)PUMP SEAL REQUIRES REPLACEMENT |               | REPLACE, IN-PLACE, THE SHIP SERVICE EMERGENCY DIESEL GENERATOR SEA WATER PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |               |                     |

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| Task/Abbreviation: Q-34222-014- -EDG SW PMP WEAR RINGS-REPLACE |              |               | MJC: EXECJCN4    |                   | Rev Date: 5/27/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-34222-014)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-34222-015- -EDG SW PMP RT ASSY - REPAIR |  |              |  | MJC: EXECJCN5 |  | Rev Date: 5/27/2005 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,350    |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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|----------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-34222-015)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE<br>ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.<br>NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: I-34222-020- -EDG 2 PMPS VIB TST - MRC G1P1 |  |              |  | MJC: EXECIGE7 |  | Rev Date: 2/29/2008 |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                                |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                          |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-34222-020)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** R-40711-006- -EMI CONT ITEMS - INSTL/RPR**MJC:** EXSYR112**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** 001**Matl Cost:** 465**ManDays:** 26**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-40711-006)INSTALLATION/REPAIR OF TOPSIDE  
EMI CONTROL ITEMS DURING THE DEPOT  
AVAILABILITY IS REQUIRED.

DURING THE DEPOT AVAILABILITY INSTALL/REPAIR TOPSIDE EMI  
CONTROL ITEMS IDENTIFIED BY THE EMI SURVEY. NOTE 1: NO NEW  
BOND STRAPS SHALL BE INSTALLED TOPSIDE EXCEPT FOR THOSE  
SHOWN IN THE APPLICABLE SHIP'S EMI CONTROL TOPSIDE  
ARRANGEMENT DRAWING, IDENTIFIED IN SEMCIP TECHNICAL  
ASSISTANCE NETWORK (STAN), UNLESS REQUIRED BY STAN.  
TESTING IN ACCORDANCE WITH NAVSEA STD DWG 407-5291780( )  
INDICATES NEED OR APPROVAL BY NAVSEA CODE 623. NOTE 2:  
THERE IS NO REQUIREMENT TO IMMEDIATELY REMOVE EXCESS  
BOND STRAPS THAT ARE OPERATIONALLY SATISFACTORY. IT IS  
ANTICIPATED THAT MINIMUM BOND STRAP CONFIGURATION WILL  
BE ATTAINED BY ATTRITION. NOTE 3: ACCOMPLISH TASK R-40711-15  
(EMI SURVEY) PRIOR TO THIS TASK.

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| Task/Abbreviation: R-40711-007- -EMI DEFECTS - CORR |  |              |  | MJC: EXSYR004   |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:       |  | Qty: 001           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 001 |  | Matl Cost: 1,258   |  | ManDays: 19       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:    |  |                    |  | MCC: 4            |  |         |  |

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| Reason:  | Problem Description:                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (R-40711-007)DEFECTS OR CASUALTIES<br>DISCOVERED DURING EMI INSPECTION/TESTING<br>REQUIRE CORRECTION. | PROVIDE ____ MANDAYS OF TECHNICAL SERVICES AND \$____ OF<br>MATERIAL TO CORRECT GOVERNMENT RESPONSIBLE DEFECTS OR<br>CASUALTIES DISCOVERED DURING EMI INSPECTION/TESTING.<br>NOTE 1: MANDAY AND MATERIAL DETERMINATION WILL BE MADE AT<br>THE WORK PACKAGE INTEGRATION CONFERENCE (WPIC). NOTE 2:<br>THIS TASK COVERS EMI DISCREPANCIES NOT ALREADY INCLUDED<br>AS PART OF OTHER REPAIRS DURING THE DEPOT AVAILABILITY. |

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| Task/Abbreviation: R-40711-015- -EMI SURVEY - ACCOMP |         |                 |                | MJC: EXSYR173 |          | Rev Date: 6/9/2009 |  |
| RCM Analysis:                                        |         | Scheduled: N    | Sit Reqs:      |               | Qty: 001 | Removal Required:  |  |
| Lvl of Maint: 3                                      | Freq: 0 | Equip/Task: 001 | Matl Cost: 956 | ManDays: 15   | Alt No:  |                    |  |
| Referenced Authority:                                |         | Repair Pool:    |                | MCC: 1        |          |                    |  |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (R-40711-015)ACCOMPLISHMENT OF AN EMI SURVEY IS REQUIRED. | ELECTROMAGNETIC INTERFERENCE (EMI) SURVEY - ACCOMPLISH THE FOLLOWING: A. CONDUCT A POST-PRODUCTION TOPSIDE VISUAL INSPECTION (2V-1) TO VERIFY THAT ALL APPLICABLE TOPSIDE EMI CONTROL MEASURES ARE INSTALLED. B. ANNOTATE THE APPLICABLE SHIP'S EMI CONTROL TOPSIDE ARRANGEMENT DRAWING, IDENTIFIED IN SEMCIP TECHNICAL ASSISTANCE NETWORK (STAN) (AT WWW.SEMCIP.COM), IN ACCORDANCE WITH NAVSEA STD DWG 407-5291780( ) TO IDENTIFY ANY LOCATION/QUANTITY CHANGES IN EXISTING TOPSIDE BOND STRAPS AND PROVIDE A COPY TO NAVSEA CODE 623. NOTE 1: NO NEW BOND STRAPS SHALL BE INSTALLED TOPSIDE EXCEPT FOR THOSE SHOWN IN THE APPLICABLE SHIP'S DRAWING UNLESS REQUIRED BY STAN. TESTING IN ACCORDANCE WITH NAVSEA STD DWG 407-5291780( ) INDICATES NEED OR APPROVAL BY NAVSEA CODE 623. MINIMUM BOND STRAP CONFIGURATION WILL BE ATTAINED BY ATTRITION. NOTE 2: TASK WILL BE ACCOMPLISHED FOLLOWING INDUSTRIAL AVAILABILITIES GREATER THAN 120 DAYS. NOTE 3: ACCOMPLISH PRIOR TO TASK R-40711-16. NOTE 4: TASK IS NORMALLY DONE BY THE RMC BUT CAN BE ASSIGNED TO THE DEPOT ACTIVITY FOR ACCOMPLISHMENT IN CONNECTION WITH THE INDUSTRIAL AVAILABILITY. |



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**Task/Abbreviation:** R-40711-016- -SHIP EMC CERT - PROV**MJC:** EXSYR174**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 001**Matl Cost:** 479**ManDays:** 27**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-40711-016)A SHIP EMC CERTIFICATION IS REQUIRED.

SHIP ELECTROMAGNETIC COMPATIBILITY (EMC) CERTIFICATION - PROVIDE A SHIP EMC CERTIFICATION IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA S9040-AA-GTP-010/SSCR REV 4, CHG 1 BY ACCOMPLISHING THE FOLLOWING: A. CONDUCT A VISUAL INSPECTION TO ENSURE THAT ALL FIXABLE CATEGORY (CAT) 1 AND 2 EMI PROBLEMS IDENTIFIED IN SEMCIP TECHNICAL ASSISTANCE NETWORK (STAN) (AT WWW.SEMCIP.COM) HAVE BEEN FIXED. B. CONDUCT A RECOGNITION TEST TO DETERMINE THE EFFECTS OF ALL CAT 1 AND 2 EMI PROBLEMS FOR WHICH NO FIX IS CURRENTLY AVAILABLE. C. CONDUCT AN AT-SEA HF INTERMODULATION INTERFERENCE (IMI) TEST (2R-1) TO DETERMINE THE LEVEL OF DETECTABLE IMI PRODUCTS. IMI SOURCES (3R-3) CAUSING IMI GREATER THAN 19TH ORDER SHALL BE REPORTED TO THE NSA/TYCOM FOR RESOLUTION. NOTE 1: TASK WILL BE DONE 6 MONTHS PRIOR TO DEPLOYMENT AND FOLLOWING INDUSTRIAL AVAILABILITIES GREATER THAN 120 DAYS. NOTE 2: ACCOMPLISH TASK R-40711-15 PRIOR TO THIS TASK. NOTE 3: TASK IS NORMALLY DONE BY THE RMC BUT CAN BE ASSIGNED TO THE DEPOT ACTIVITY FOR ACCOMPLISHMENT IN CONNECTION WITH THE INDUSTRIAL AVAILABILITY. NOTE 4: TASK R-40711-17 IS TO BE ACCOMPLISHED AFTER THIS TASK.

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| Task/Abbreviation: R-40711-017- -SHIP EMC CERT RPRT - PROV |              |                 | MJC: EXSYR175  |                   | Rev Date: 6/9/2009 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:       | Qty: 001       | Removal Required: |                    |
| Lvl of Maint: 3                                            | Freq: 0      | Equip/Task: 001 | Matl Cost: 200 | ManDays: 14       | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:    | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (R-40711-017)A SHIP EMC CERTIFICATION REPORT MUST BE PROVIDED AFTER ACCOMPLISHMENT OF THE SHIP EMC CERTIFICATION. | PROVIDE A SHIP ELECTROMAGNETIC COMPATIBILITY (EMC) CERTIFICATION REPORT AS REQUIRED BY NAVSEA S9040-AA-GTP-010/SSCR REV 4, CHG 1 TO NAVSEA CODE 623 WITH COPY TO THE NAVAL SUPERVISING ACTIVITY (NSA). NOTE 1: EMC CERTIFICATION IS NOT EXPECTED TO ADDRESS ALL SHIPBOARD EMI PROBLEMS ENCOUNTERED NOR INTENDED TO DENOTE THAT THE SHIP IS EMI-FREE ONCE CERTIFIED. NOTE 2: THE PRIMARY OBJECTIVE OF AN EMC CERTIFICATION IS TO ENSURE THAT FIXABLE CAT 1/2 EMI PROBLEMS ARE FIXED, REMAINING CAT 1/2 PROBLEMS ARE REPORTED AND THE IMI PRODUCTS GENERATED BY HF TRANSMISSIONS ARE 19TH ORDER OR BELOW. NO OTHER EMI IDENTIFIED ON THE SHIP IS A FACTOR TO BE CONSIDERED IN THE CERTIFICATION PROCESS (E.G., DOES NOT INCLUDE THE DISCOVERY OF NEW EMI PROBLEMS). NOTE 3: ACCOMPLISH THIS TASK IN CONJUNCTION WITH TASK R-40711-16. |

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**Task/Abbreviation:** I-40711-027- -SPS48 RDR ABSORB MATL-MRC FMU9**MJC:** EXECIIE2**Rev Date:** 9/28/2008**RCM Analysis:** 6/2/2008**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 24**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-40711-027)RADAR ABSORBING MATERIAL (RAM)  
FOR THE AN/SPS-48( ) RADAR SET REQUIRES  
ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE RADAR ABSORBING MATERIAL (RAM)  
ASSESSMENT FOR THE AN/SPS-48( ) RADAR SET ONLY WHEN  
STAGING HAS ALREADY BEEN ERECTED ON THE ASSOCIATED  
MAST/PLATFORM. STAGING WILL NOT BE ERECTED FOR THE SOLE  
PURPOSE OF CONDUCTING THE RAM ASSESSMENT. ACCOMPLISH  
ASSESSMENT AFTER THE START OF CNO AVAILABILITY IAW WITH  
MRC FMU9 AS FOLLOWS: 1. INSPECT AN/SPS-48 ( ) RADAR  
ABSORBING MATERIAL (RAM). REPORT CONDITIONS FOUND TO  
SHIP'S CSMP AND TO THE REGIONAL MAINTENANCE CENTER (RMC)  
MAINTENANCE TEAM. CORRECTIVE ACTION SHOULD BE TAKEN  
WHILE ASSOCIATED MAST/PLATFORM IS STAGED. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B. CONTACT WILLIAM MARKER NSWCDL, (540)  
653-3489, FOR PLANNING PURPOSES.

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| Task/Abbreviation: Q-41111-028- -AN/UYA-4 HE - PLUG TB |              |               | MJC: EXECJ239  |                   | Rev Date: 6/2/2005 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 7        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-41111-028)HEAT EXCHANGER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-41111-029- -AN/UYA-4 HE - REPL BUNDLE |  |                                                                 |  | <b>MJC:</b> EXECJ240 |  | <b>Rev Date:</b> 6/2/2005                                                                                                                                                                                                                                          |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N                                             |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                                                                                                                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0                                                  |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450                                                                                                                                                                                                                                              |  | <b>ManDays:</b> 13       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                                                                 |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                    |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                    |  | <b>Problem Description:</b>                                     |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                       |  |                          |  |                |  |
| BASELINE                                                          |  | (Q-41111-029)HEAT EXCHANGER TUBE BUNDLE<br>REQUIRES REPLACEMENT |  |                      |  | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION.<br>MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE<br>BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS.<br>REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH<br>A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-41111-030- -AN/UYA-4 HE - REPL TB |              |               | MJC: EXECJ241  |                   | Rev Date: 6/2/2005 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-41111-030)HEAT EXCHANGER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-41111-031- -AN/UYA-4 HE - REPL ZINCS |                                        |                                                                                                                                                                                                                                                                 | MJC: EXECJ242  |                   | Rev Date: 6/2/2005 |
| RCM Analysis:                                             | Scheduled: N                           | Sit Reqs:                                                                                                                                                                                                                                                       | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0                                | Equip/Task: 1                                                                                                                                                                                                                                                   | Matl Cost: 450 | ManDays: 6        | Alt No:            |
| Referenced Authority:                                     |                                        | Repair Pool:                                                                                                                                                                                                                                                    | MCC: 3         |                   |                    |
| Reason:                                                   | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                           |                |                   |                    |
| BASELINE                                                  | (Q-41111-031)ZINCS REQUIRE REPLACEMENT | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                |                   |                    |

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| Task/Abbreviation: Q-41111-032- -AN/UYA-4 HE - REROLL TB |              |               | MJC: EXECJ243  |                   | Rev Date: 6/2/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-41111-032)HEAT EXCHANGER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-41111-033- -AN/UYA-4 HE - RPR TB SH |              |               | MJC: EXECJ244  |                   | Rev Date: 6/2/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-41111-033)HEAT EXCHANGER TUBE SHEET<br>REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND<br>INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE<br>BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE<br>ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING<br>AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY<br>OPERATIONAL TEST. |

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| Task/Abbreviation: Q-41111-034- -AN/UYA-4 HE - RPR TB SPRTS |              |               | MJC: EXECJ245  |                   | Rev Date: 6/2/2005 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 9        | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-41111-034)HEAT EXCHANGER TUBE SUPPORT PLATE REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|--------------------------------------------------------------|--------------|---------------|---------------|-------------------|----------------------|
| Task/Abbreviation: I-41111-038- -AN/UYA-4 DISPLAY - MRC A2V2 |              |               | MJC: CXECI182 |                   | Rev Date: 10/26/2010 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:              |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                      |

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|----------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-41111-38) THE AN/UYK-43 TO AN/UYA-4 (CIGARS) SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UYK-43 TO AN/UYA-4 (CIGARS) ASSESSMENT IN ACCORDANCE WITH MRC A2V2 AS FOLLOWS: 1. PERFORM AN/UYK-43 TO AN/UYA-4 CONSOLE INTERNALLY GENERATED AND REFRESHED SYMBOLOGY (CIGARS) PROGRAMMED OPERATIONAL AND FUNCTIONAL APPRAISAL (POFA). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                              |              |               |               |                   |                      |
|--------------------------------------------------------------|--------------|---------------|---------------|-------------------|----------------------|
| Task/Abbreviation: I-41111-039- -AN/UYA-4 DISPLAY - MRC A2V3 |              |               | MJC: CXECI183 |                   | Rev Date: 10/26/2010 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:              |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-41111-39) THE AN/UYA-4 DISPLAY (CIGARS) SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UYA-4 DISPLAY (CIGARS) SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC A2V3 AS FOLLOWS: 1. PERFORM AN/UYK-7 TO AN/UYA-4 CIGARS PROGRAMMED OPERATIONAL AND FUNCTIONAL APPRAISAL (POFA). REPORT CONDITIONS FOUND TO SHIP'S CSMP. ROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-41111-043- -AN/UYA-4 - MRC GT92**MJC:** CXECI187**Rev Date:** 10/5/2010**RCM Analysis:** 8/2/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-41111-043)THE AN/UYA-4 DISPLAY SYSTEM  
REQUIRES ASSESSMENT.ACCOMPLISH THE AN/UYA-4 DISPLAY SYSTEM ASSESSMENT IN  
ACCORDANCE WITH MRC GT92 AS FOLLOWS: 1. CLEAN AND  
INSPECT COMPONENTS OF DATA DISPLAY GROUP. 2. CLEAN AND  
INSPECT BLOWER UNIT. 3. CLEAN AND INSPECT OJ-194A(V)3  
BLOWER ASSEMBLY AND CARD BOX ASSEMBLY. 4. CLEAN AND  
INSPECT INTERIOR OF OJ-194A(V)3 CONSOLE. REGIONAL  
MAINTENANCE ACTIVITIES CONDUCTING C5RA/TSRA ASSESSMENTS  
PERFORM INSPECTION STEPS ONLY. REPORT CONDITIONS FOUND  
TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE  
IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|--------------------------------------------------------------|--------------|---------------|------------------|-------------------|---------|
| Task/Abbreviation: Q-41211-002- -TAC DATA PRCSG GP - RPR/TST |              | MJC: CXECQ009 | Rev Date:        |                   |         |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |         |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,000 | ManDays: 30       | Alt No: |
| Referenced Authority:                                        | Repair Pool: | MCC: 3        |                  |                   |         |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                              |
| BASELINE | (Q-41211-002)TACTICAL DATA PROCESSING GROUP<br>REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING MAINTENANCE ACTIONS TO THE<br>TACTICAL DATA PROCESSING GROUP PER CONDITION<br>ASSESSMENT RECOMMENDATIONS AND AS FOLLOWS: A.<br>CALIBRATE, TEST AND ADJUST EQUIPMENT. B. PROVE<br>SATISFACTORY OPERATION BY APPROPRIATE STAGE OF COMBAT<br>SYSTEM TESTING. |

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| Task/Abbreviation: Q-41211-003- -TAC DATA PRCSG GP - REPL/TST |         |               | MJC: CXECQ010      |             | Rev Date: |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:          |             | Qty: 1    | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 100,000 | ManDays: 40 | Alt No:   |                   |
| Referenced Authority:                                         |         | Repair Pool:  |                    | MCC: 3      |           |                   |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-41211-003)TACTICAL DATA PROCESSING GROUP<br>REQUIRES REPLACEMENT | REPLACE THE TACTICAL DATA PROCESSING GROUP PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. DISCONNECT AND<br>REMOVE EQUIPMENT. SHIP TO DESIGNATED REPAIR POINT.<br>INSTALL REPLACEMENT EQUIPMENT. CALIBRATE AND ADJUST<br>EQUIPMENT. PROVE SATISFACTORY OPERATION BY APPROPRIATE<br>STAGE OF COMBAT SYSTEM TESTING. |

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| Task/Abbreviation: I-41211-048- -AN/UYK-43A - MRC NQ99 |  |              | MJC: CXECI188 |               | Rev Date: 7/20/2010 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                 |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-41211-048)THE AN/UYK-43A COMPUTER SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UYK-43A COMPUTER SET ASSESSMENT IN ACCORDANCE WITH MRC NQ99 AS FOLLOWS: 1. PERFORM AN/UYK-43A COMPUTER MATERIAL CONDITION INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-41211-073- -MK-162 SGS CMPTR - MRC A1P6 |  |              | MJC: CXECIA63 |               | Rev Date: 3/20/2009 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                       |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                        |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-41211-073)THE MK-162 MOD 0/1 GRIDLOCK SYSTEM COMPUTER REQUIRES ASSESSMENT. | ACCOMPLISH THE MK-162 MOD 0/1 GRIDLOCK SYSTEM COMPUTER ASSESSMENT IN ACCORDANCE WITH MRC A1P6 AS FOLLOWS: 1. PERFORM MK-162 MOD 0/1 GRIDLOCK PROGRAMMED OPERATIONAL FUNCTIONAL APPRAISAL (POFA) (MK-162 TO AN/UYK-43A,C). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-41211-111- -AN/UYK-43A, C - MRC A2B2 |  |              | MJC: CXCIBX1 |               | Rev Date: 10/5/2010 |            |                   |            |         |  |
| RCM Analysis: 3/7/2005                                    |  | Scheduled: N |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                           |  | Freq: 0      |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                     |  |              | Repair Pool: |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-41211-111)THE AN/UYK-43A COMPUTER SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UYK-43A COMPUTER SET ASSESSMENT IN ACCORDANCE WITH MRC A2B2 AS FOLLOWS: 1. INITIALIZE AN/UYK-43A,C COMPUTER STANDARD TEST DRIVER. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-41211-120- -AN/UYK-43A CCA-REPL |              |               | MJC: CEXECQ141   |                   | Rev Date: 2/6/2007 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 4                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,235 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                | Repair Pool: | MCC: 3        |                  |                   |                    |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                    |
| BASELINE | (Q-41211-120)AN/UYK-43A COMPUTER CIRCUIT CARD ASSEMBLY(CCA)/MODULE FAULTY. | REPAIR/REPLACE CIRCUIT CARD ASSEMBLY (CCA). ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-41211-122- -MK-162 SGS CCA-REPL |              |               | MJC: CEXECQ143   |                   | Rev Date: 9/7/2006 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                    |
| Lvl of Maint: 4                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,741 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                              |
| BASELINE | (Q-41211-122)MK-162 SGS CIRCUIT CARD ASSEMBLY FAULTY. | REPAIR/REPLACE CIRCUIT CARD ASSEMBLY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| <b>Task/Abbreviation:</b> Q-41211-123- -MK-162 SGS PWR SPLY-REPL |                     |                      | <b>MJC:</b> CEXECQ144    |                          | <b>Rev Date:</b> 9/7/2006 |
| <b>RCM Analysis:</b>                                             | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1            | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 4                                           | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 22,593 | <b>ManDays:</b> 1        | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                     | <b>Repair Pool:</b> | <b>MCC:</b> 3        |                          |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                  | <b>Recommended Solution:</b>                                                                                                              |
| BASELINE       | (Q-41211-123)MK-162 SGS POWER SUPPLY FAULTY. | REPAIR/REPLACE POWER SUPPLY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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|-------------------------------------------------------|--------------|---------------|-------------------|-------------------|--------------------|
| Task/Abbreviation: Q-41211-124- -MK-162 SGS RIMM-REPL |              |               | MJC: CXCQ145      |                   | Rev Date: 9/7/2006 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 1            | Removal Required: |                    |
| Lvl of Maint: 4                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 10,418 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3            |                   |                    |

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| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                    |
| BASELINE | (Q-41211-124)MK-162 SHIP GRIDLOCK SYSTEM<br>REMOVABLE MAGNETIC MEDIA (RIMM) FAULTY. | REPLACE SGS REMOVABLE MAGNETIC MEDIA. ACCOMPLISH A<br>SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL.<br>RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-41211-125- -MK-162 SGS CBL-REPL |              |               | MJC: CEXECQ146 |                   | Rev Date: 9/7/2006 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 4                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 100 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                        |
| BASELINE | (Q-41211-125)MK-162 SGS INPUT/OUTPUT CABLE WORN AND DEFECTIVE. | REPLACE SGS INPUT/OUTPUT CABLE. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: O-41211-134- -SWD 71002 O - ACCOMP |              |               | MJC: CXSAO401 |                   | Rev Date: 7/13/2011 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 4        | Alt No: SWD 71002 0 |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (O-41211-134) SWDý71002ý0, SWDýIRRIýV2.0, NOT ACCOMPLISHED | ACCOMPLISH SWD 71002 0, WHICH PROVIDES A COMPREHENSIVE SYSTEM TO ACCURATELY AND OBJECTIVELY STORE AND FORWARD DATA USED TO MEASURE READINESS IN A TIMELY MANNER TO ENSURE RESPONSIVENESS TO SUPPORT NATIONAL COMMAND AUTHORITY REVIEW OF CRUCIAL NATIONAL SECURITY ISSUES. IRRI IS A SERVICES ORIENTED ARCHITECTURE (SOA) WHICH PROVIDES HETEROGENEOUS COMMUNICATIONS ARCHITECTURE THAT SUPPORTS NEAR REAL TIME READINESS DATA COLLECTION/TRANSPORT OVER HTTPS TO STORE/FORWARD DATA OVER COLLABORATION AT SEA, SALTS AND SMTP. LEGACY SUPPORT FOR AUTODIN/DMS IS INCLUDED. POC: RICHARD STANFORD, 757-836-5241, RICHARD.STANFORD@NAVY.MIL OR MANUEL ALCALA, 619-437-3090, MANUEL.ALCALA@NAVY.MIL |



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| Task/Abbreviation: Q-41511-002- -AN/SSW-1 - RPR/TST |              |               | MJC: CEXECQ015   |                   | Rev Date: |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |           |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,500 | ManDays: 30       | Alt No:   |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                               |
| BASELINE | (Q-41511-002)AN/SSW-1( ) DIGITAL DATA COMMUNICATIONS SET REQUIRES REPAIR | REPAIR THE AN/SSW-1( ) DIGITAL DATA COMMUNICATIONS SET PER CONDITION ASSESSMENT RECOMMENDATIONS AND IN ACCORDANCE WITH THE APPLICABLE TECHNICAL MANUAL. PROVE SATISFACTORY OPERATION BY APPROPRIATE STAGE OF COMBAT SYSTEM TESTING. |

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| Task/Abbreviation: K-41511-014- -SHIPALT LHA1-01115K - ACCOMP |              |               | MJC: EXSAK067     |                   | Rev Date: 5/1/2006    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1            | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 60,000 | ManDays: 60       | Alt No: SALHA 01115 K |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3            |                   |                       |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (K-41511-14) SHIPALT LHA1-01115K, SACC-A SPIRAL I, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01115K WHICH INSTALLS THE ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS) WHICH PROVIDES THE ABILITY TO SUSTAIN COMMAND AND CONTROL (C2) CAPABILITY AFLOAT TO PROPERLY SUPPORT EXPEDITIONARY OPERATIONS, THE MARINE CORPS' CONCEPT OF EXPEDITIONARY MANUEVER WARFARE (EMW), AND ITS SUBORDINATE CONCEPTS OF OPERATIONAL MANEUVER FROM THE SEA (OMFTS) AND SHIP TO OBJECTIVE MANEUVER (STOM). |

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| Task/Abbreviation: I-41511-019- -LINK 11 - INSP/TST |              |               | MJC: OXECI043 |                   | Rev Date: 10/27/2010 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                     | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:              |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                   |
| BASELINE | (I-41511-019)LINK 11 SYSTEM REQUIRES INSPECTION. | INSPECT AND TEST LINK 11 SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-41511-022- -AN/USQ-125V4 DTS - MRC A1R0 |              |               | MJC: CEXECIBD6 |                   | Rev Date: 10/27/2010 |
| RCM Analysis: 3/7/2005                                       | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                      |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:              |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3         |                   |                      |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-41511-022)THE AN/USQ-125 DATA TERMINAL SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/USQ-125 DATA TERMINAL SET ASSESSMENT IN ACCORDANCE WITH MRC A1R0 AS FOLLOWS: 1. PERFORM AN/USQ-125 TO UYK-43A,C LINK-11 PROGRAMMED OPERATIONAL FUNCTIONAL APPRAISAL (POFA). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> K-41511-032- -SHIPALT LHA1-01115.4K - ACCOMP |  |                     |  | <b>MJC:</b> EXSAK621 |  | <b>Rev Date:</b> 5/1/2006 |  |                          |  |                               |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> |  |                               |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 60       |  | <b>Alt No:</b> SALHA 01115.4K |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                               |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                           | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE       | (K-41511-32) SHIPALT LHA1-01115.04K, AUTO SUPPORTING ARMS COORD CTR, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01115.04K WHICH INSTALLS UP TO (3) PICT TERMINALS ON THE LARGE COMMAND TABLE AND (1) PICT ON THE SMALL COMMAND TABLE THAT IS BEHIND AND TO THE LEFT OF SAC CENTER WATCH POSITION. NOTE 1: TA-970 RED PHONES ON THE AFT BULKHEAD SHALL BE REMOVED AS NECESSARY TO PROVIDE SA-2112 INTERFACES FOR THE PICT TERMINALS. NOTE 2: WHEN MOUNTING PICT TERMINALS, THE INSTALLER SHALL ENSURE VIEW OF LARGE SCREEN DISPLAYS IS NOT OBSTRUCTED AND MINIMIZE INTRUSION OF DESK WORK SPACE. |

|                                                               |  |              |  |               |  |                      |  |                   |  |                       |  |
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| Task/Abbreviation: K-41511-033- -SHIPALT LHA1-01205K - ACCOMP |  |              |  | MJC: EXSAK626 |  | Rev Date: 10/24/2005 |  |                   |  |                       |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1               |  | Removal Required: |  |                       |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 999,999   |  | ManDays: 744      |  | Alt No: SALHA 01205 K |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                      |  | MCC: 3            |  |                       |  |

|          |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (K-41511-33) SHIPALT LHA1-01205K, COMMUNICATION DATA LINK SYSTEM, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01205K WHICH INSTALLS THE CDLS WHICH CONSISTS OF FIVE RACKS AND TWO ANTENNAS. CONTROL-MONITOR GROUP (CMG), UNIT 1. TWO USER INTERFACE GROUPS (UIG), UNITS 2 AND 4. TWO ANTENNA GROUPS (AG), UNITS 3 AND 5. THE AG ALSO INCLUDES TWO DECK-MOUNTED ANTENNAS. THE CDLS WILL ALSO BE USED TO REPLACE THE CURRENTLY FIELDDED COMMON HIGH BANDWIDTH DATA LINK - SURFACE TERMINAL (CHBDL-ST) AN/USQ-123A(V) AND AN/USQ-123B(V) SYSTEMS. |

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| Task/Abbreviation: K-41511-034- -SHIPALT LHA1-01206K - ACCOMP |              |               | MJC: EXSAK627      |                   | Rev Date: 11/2/2005   |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1             | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 328,243 | ManDays: 230      | Alt No: SALHA 01206 K |
| Referenced Authority:                                         | Repair Pool: | MCC: 3        |                    |                   |                       |

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|----------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (K-41511-34) SHIPALT LHA1-01206K, VIDEO INTERFACE GROUP (VIG), NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01206K WHICH INSTALLS THE VIDEO INTERFACE GROUP (VIG). WHEN INSTALLED ON THE COMMUNICATIONS DATA LINK SYSTEM (CDLS), AN/USQ-167, PROVIDES FOR DISPLAY, DECODING AND TRANSCODING, EDITING, STORAGE, AND REMOTE USER DISPLAY AND ACCESS OF C4ISER VIDEO DATA OBTAINED FROM AIRBORNE SENSOR PLATFORMS VIA THE RETURN LINK (RL) OF THE CDLS. THE VIG WILL BE TOTALLY GFE SUPPORTED BY SPAWARSYSCEN SAN DIEGO (N66001). THE VIG WILL CONSIST OF A COTS POWER DISTRIBUTION UNIT (PDU), A COTS DISPLAY MONITOR, A ROUTER, A AUDIO INTERCOM UNIT, AN AVIATION HEADSET, A COTS KVM SWITCH, A COTS DISPLAY MONITOR WITH KEYBOARD AND TRACKBALL, A VIDEO INTERFACE UNIT (VIU), A VIDEO PROCESSING WORKSTATION (VPW), AN ELECTRONIC (NETWORK) SWITCH, AND A COTS UNINTERRUPTIBLE POWER SUPPLY (UPS). |

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| Task/Abbreviation: I-42211-001-A-NAV LIGHTS - INSP/CERT                  |              |               | MJC: CEXECIBE2 |                   | Rev Date: 12/3/2007 |
| RCM Analysis:                                                            | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: |                     |
| Lvl of Maint: 1                                                          | Freq: 0      | Equip/Task: X | Matl Cost:     | ManDays: 5        | Alt No:             |
| Referenced Authority:                                                    |              | Repair Pool:  | MCC: 3         |                   |                     |
| EXECUTIVE ORDER 11964 DATED 19 JAN 1977, COLREGS, 1972 GC:590100,MA:2900 |              |               |                |                   |                     |

| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BASELINE | (I-42211-001)THE NAVIGATION LIGHTS REQUIRE CERTIFICATION. | INSPECT THE NAVIGATION LIGHTS TO ENSURE THEY ARE IN COMPLIANCE WITH EXECUTIVE ORDER 11964 DTD 19 JAN 1977, "IMPLEMENTATION OF THE CONVENTION ON THE INTERNATIONAL REGULATIONS FOR PREVENTING COLLISIONS AT SEA, 1972." PROVIDE A CERTIFICATION REPORT AS REQUIRED IN COMNAVSEASYSKOM LTR 9422 OPR:56Z11 SER 56ZB/56Z1-73 DATED 23 AUGUST 1992. NOTE: TASK IS INITIATED BY TYCOMS AT THE COMPLETION OF AN AVAILABILITY WHEN INSTALLATION OF EQUIPMENT MAY IMPACT THE ARCS OF VISIBILITY. MINOR REPAIRS/REPLACEMENTS OF NAV LIGHTS AND CABLES ARE AUTHORIZED. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: K-42211-003- -SHIPALT LHA1-00518K - ACCOMP |  |              |  | MJC: EXSAK198 |  | Rev Date: 5/3/2006 |  |                      |  |                       |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1             |  | Removal Required: NO |  |                       |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,000   |  | ManDays: 90          |  | Alt No: SALHA 00518 K |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                    |  | MCC: 3               |  |                       |  |

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| Reason:  | Problem Description:                  | Recommended Solution:                                                                                                                                                                                                                                                                        |
| BASELINE | (K-42211-3) NAVSEA AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-518K "RELOCATE YARDARM BLINKER LIGHTS", WHICH RESTORES 360 DEGREES VISIBILITY OF YARDARM BLINKER LIGHTS WHICH ARE PRESENTLY PARTIALLY OBSTRUCTED BY ANTENNAS. (NOTE: THIS INSTALLATION SHALL MEET ELECTROMAGNETIC PULSE (EMP) REQUIREMENTS APPLICABLE TO EACH SHIP). |

|                                                                |              |               |                |                   |           |
|----------------------------------------------------------------|--------------|---------------|----------------|-------------------|-----------|
| Task/Abbreviation: Q-42313-002- -AS-3240( )/URN ANT - REPL/TST |              |               | MJC: CXECQ016  |                   | Rev Date: |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |           |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 765 | ManDays: 17       | Alt No:   |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 4         |                   |           |

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|----------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-42313-002)ANTENNA REQUIRES REPLACEMENT | REPLACE THE AS-3240( )/URN TACAN ANTENNA OF THE OE-273()/URN ANTENNA GROUP AS PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE THE TACAN ANTENNA, INSTALL AND TEST A REPLACEMENT IN ACCORDANCE WITH TECHNICAL MANUAL. INSTALL NEW CRES MOUNTING FASTENERS CONFORMING TO MIL-DTL-1222, TYPE I, GRADE 316. GROUND EQUIPMENT IN ACCORDANCE WITH MIL-STD-1310( ). ACCOMPLISH CONTINUITY TESTS OF INTERCONNECTING CABLES. WEATHERPROOF ALL EXPOSED CONNECTORS. CALIBRATE, TEST AND ADJUST EQUIPMENT. CONDUCT VOLTAGE STANDING WAVE RATIO (VSWR) AND INSERTION LOSS TEST. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: 1. SHIP'S FORCE TO ARRANGE CERTIFICATION. |

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**Task/Abbreviation:** I-42313-003- -AN/URN-25 TACAN - MRC A1P8**MJC:** CXECICI3**Rev Date:** 3/9/2010**RCM Analysis:** 12/11/2006**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-42313-003)THE AN/URN-25 TACAN NAVIGATIONAL SET REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/URN-25 TACAN NAVIGATIONAL SET ASSESSMENT IN ACCORDANCE WITH MRC A1P8 AS FOLLOWS: 1. PERFORM ANTENNA INSPECTION CHECKS. 2. PERFORM BEACON UNIT INSPECTION CHECKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-42313-004- -AN/URN-25 TACAN - MRC HJ30**MJC:** CEXECIC14**Rev Date:** 3/9/2010**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-42313-004)THE AN/URN-25 TACAN NAVIGATIONAL SET REQUIRES ASSESSMENT.

ACCOMPLISH THE AN/URN-25 TACAN NAVIGATIONAL SET ASSESSMENT IN ACCORDANCE WITH MRC HJ30 AS FOLLOWS: 1. TEST OPERATE AN/URN-25. 2. TEST OPERATE OE-273/URN ANTENNA GROUP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-42315-028- -AN/PSN-11, 13 GPS - INSP/TST**MJC:** CXECICQ5**Rev Date:** 3/9/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-42315-028)THE AN/PSN-11 PORTABLE NAVIGATION SET(GLOBAL POSITIONING RECEIVER) OR THE AN/PSN-13, DEFENSE ADVANCED GLOBAL POSITIONING SYSTEM (GPS) RECEIVER REQUIRES INSPECTION.

INSPECT AND TEST THE AN/PSN-11 PORTABLE NAVIGATION SET(GLOBAL POSITIONING RECEIVER) OR THE AN/PSN-13, DEFENSE ADVANCED GLOBAL POSITIONING SYSTEM (GPS) RECEIVER IAW AB48. 1. INSPECT AND CLEAN MEMORY BATTERY CONTACTS AND MEMORY BATTERY COMPARTMENT CONTACTS. 2. REPLACE MEMORY BATTERY. 3. PERFORM COMMANDED SELF-TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-42411-001- -FATHOMETER XDCR (DD)- REPL/TST**MJC:** CXECQ017**Rev Date:** 1/15/2003**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** 1**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 1,500 **ManDays:** 30 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:**

BASELINE

**Problem Description:**(Q-42411-001)TRANSDUCER REQUIRES  
REPLACEMENT**Recommended Solution:**

REPLACE THE FATHOMETER TRANSDUCER. CRATE AND RETURN REMOVED TRANSDUCER TO THE GOVERNMENT. ACCOMPLISH A PRE-INSTALLATION SHOP-TEST OF NEW TRANSDUCER. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NAVAL SUPERVISING ACTIVITY. CLEAN, PRIME AND PAINT SEA CHEST. INSTALL NEW TRANSDUCER USING NEW RUBBER GASKET AND CRES FASTENERS AND CONNECT ELECTRICALLY. INSTALL A TEMPORARY SEA CHEST COVER PLATE. REMOVE TEMPORARY COVER PLATE. ACCOMPLISH SATISFACTORY POST-INSTALLATION TESTS (I.E., DRYDOCK AND WATERBORNE) IN ACCORDANCE WITH COMBAT SYSTEM TESTING AND APPLICABLE TECHNICAL MANUAL. NOTE: 1. DRYDOCKING ITEM. 2. PRIOR TO THE DEPOT LEVEL DRYDOCKING AVAILABILITY, ENSURE INSPECTION AND TESTING OF THE TRANSDUCER USING THE AN/WQM-8 SONAR TEST SET. TYPE COMMANDER WILL ARRANGE FOR ACCOMPLISHMENT OF THIS PRIOR TO START OF THE DEPOT LEVEL DRYDOCKING AVAILABILITY. FORWARD REPORT TO NAVAL UNDERSEA WARFARE CENTER, NEWPORT, RI (FOR EAST COAST AVAILABILITIES)/KEYPORT, WA (FOR WEST COAST AVAILABILITIES). USUALLY ACCOMPLISHED BY FTSC/LANT/FTSC/PAC.

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|---------------------------------------------------|--|-----------------------------------------|--|---------------|--|------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-42411-002- -FATHOMETER - RPR |  |                                         |  | MJC: CXECQ018 |  | Rev Date:                                                                                                                    |  |                   |  |         |  |
| RCM Analysis:                                     |  | Scheduled: N                            |  | Sit Reqs:     |  | Qty: 1                                                                                                                       |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                   |  | Freq: 0                                 |  | Equip/Task: 1 |  | Matl Cost: 3,000                                                                                                             |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                             |  |                                         |  | Repair Pool:  |  |                                                                                                                              |  | MCC: 3            |  |         |  |
| Reason:                                           |  | Problem Description:                    |  |               |  | Recommended Solution:                                                                                                        |  |                   |  |         |  |
| BASELINE                                          |  | (Q-42411-002)FATHOMETER REQUIRES REPAIR |  |               |  | REPAIR THE FATHOMETER PER CONDITION ASSESSMENT<br>RECOMMENDATIONS AND IN ACCORDANCE WITH THE APPLICABLE<br>TECHNICAL MANUAL. |  |                   |  |         |  |

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**Task/Abbreviation:** I-42411-012- -AN/UQN-4( ) XDCC - MRC DWY9**MJC:** EXECIB02**Rev Date:** 5/27/2008**RCM Analysis:** 12/14/2007**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-42411-012)THE AN/UQN-4 ( ) DEPTH SOUNDING EQUIPMENT TRANSDUCER REQUIRES ASSESSMENT.

ACCOMPLISH THE AN/UQN-4 ( ) DEPTH SOUNDING EQUIPMENT TRANSDUCER ASSESSMENT IN ACCORDANCE WITH MRC DWY9 AS FOLLOWS: 1. MEASURE TRANSDUCER IMPEDANCE. 2. MEASURE INSULATION RESISTANCE OF TRANSDUCER AND CABLE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-42411-013- -AN/UQN-4( ) SNR SET - MRC DWZ6 |              |               | MJC: EXECIB03 |                   | Rev Date: 5/27/2008 |
| RCM Analysis: 12/14/2007                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-42411-013)THE AN/UQN-4( ) DEPTH SOUNDING EQUIPMENT REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UQN-4( )DEPTH SOUNDING EQUIPMENT ASSESSMENT IN ACCORDANCE WITH MRC DWZ6 AS FOLLOWS: 1. CONDUCT OPERABILITY TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-42411-015- -AN/UQN-4( ) SNR SET - MRC FET7**MJC:** EXECIB05**Rev Date:** 5/27/2008**RCM Analysis:** 12/14/2007**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-42411-015)THE AN/UQN-4( ) DEPTH SOUNDING  
EQUIPMENT REQUIRES ASSESSMENT.ACCOMPLISH THE AN/UQN-4( ) DEPTH SOUNDING EQUIPMENT  
ASSESSMENT IN ACCORDANCE WITH MRC FET7 AS FOLLOWS: 1.  
CLEAN AND INSPECT RECEIVER/TRANSMITTER RT-888/UQN-4,  
RT-888A/UQN-4A. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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|-----------------------------------------------------------------|--|--------------|---------------|---------------|---------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-42411-017- -AN/UQN-4( ) SNR SET - MRC FEU1 |  |              | MJC: EXECIB07 |               | Rev Date: 5/27/2008 |            |                   |            |         |  |
| RCM Analysis: 12/14/2007                                        |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                 |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                           |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-42411-017)THE AN/UQN-4( ) DEPTH SOUNDING EQUIPMENT REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UQN-4( ) DEPTH SOUNDING EQUIPMENT ASSESSMENT IN ACCORDANCE WITH MRC FEU1 AS FOLLOWS: 1. VERIFY PRESENCE OF GROUNDING CONNECTION BETWEEN CASE, DOOR, CHASSIS, RECORDER, AND SHIP'S HULL OR GROUND REFERENCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-42411-028- -AN/UQN-4( ) XDCR - RPR |         |               | MJC: CXECQ536 |            | Rev Date: 3/9/2009 |
| RCM Analysis:                                           |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:  |
| Lvl of Maint: 1                                         | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 0 | Alt No:            |
| Referenced Authority:                                   |         | Repair Pool:  | MCC: 3        |            |                    |

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|----------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                    | Recommended Solution:                                                                                                                                                                                                                                                              |
| BASELINE | (Q-42411-28)THE AN/UQN-4( ) TRANSDUCER REQUIRES REPAIR. | ACCOMPLISH THE FOLLOWING REPAIRS TO THE AN/UQN-4( ) TRANSDUCER PER CONDITION ASSESSMENT RECOMMENDATIONS:<br>A. REPLACE FASTENERS. B. REPAIR HOUSING. C. REPLACE RUBBER WINDOW. D. REPLACE WINDOW. DIVERS INSPECTION REPORT AVAILABLE AT WWW._____.COM (REFERENCE JOB NUMBER_____). |

|                                                       |         |               |                  |             |           |                   |
|-------------------------------------------------------|---------|---------------|------------------|-------------|-----------|-------------------|
| Task/Abbreviation: Q-42622-002- -UW LOG SYS - RPR/TST |         |               | MJC: CEXECQ022   |             | Rev Date: |                   |
| RCM Analysis:                                         |         | Scheduled: N  | Sit Reqs:        |             | Qty: 1    | Removal Required: |
| Lvl of Maint: 1                                       | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 20 | Alt No:   |                   |
| Referenced Authority:                                 |         | Repair Pool:  |                  | MCC: 2      |           |                   |

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|----------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-42622-002)UNDERWATER LOG SYSTEM<br>REQUIRES REPAIR | REPAIR THE UNDERWATER LOG SYSTEM PER CONDITION<br>ASSESSMENT RECOMMENDATIONS OR AS FOLLOWS: A.<br>UNDERWATER LOG RODMETER - 1. RECORD STOPPING POINTS. 2.<br>RETRACT, REMOVE, CLEAN, EXAMINE AND REPAIR DEFECTS. 3.<br>RENEW O-RINGS AND PACKING AND ACCOMPLISH AN INSULATION<br>RESISTANCE TEST. 4. REPAIR AND TEST THE HYDRAULIC SYSTEM<br>AND ACCOMPLISH AN OPERATIONAL TEST. B. SPEED SERVO -<br>CLEAN, TEST, REPLACE IF DEFECTIVE AND RETEST. C. INDICATOR<br>TRANSMITTERS - CLEAN, INSPECT AND REPLACE DEFECTIVE<br>PARTS. D. DISTANCE INTEGRATOR - CLEAN, TEST, REPLACE IF<br>DEFECTIVE AND RETEST. E. DISTANCE AND SPEED INDICATORS -<br>CLEAN, TEST, REPAIR IF DEFECTIVE AND RETEST. F. REASSEMBLE<br>SYSTEM. G. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                        |              |               |               |                   |                    |
|--------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: Q-42622-020- -UW LOG RODMETER - RPR |              |               | MJC: CXECQ534 |                   | Rev Date: 3/9/2009 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2        |                   |                    |

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|----------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-42622-20)THE UNDERWATER LOG RODMETER (PITSWORD) REQUIRES REPAIR. | ACCOMPLISH THE FOLLOWING REPAIRS TO THE UNDERWATER LOG RODMETER (PITSWORD) PER CONDITION ASSESSMENT<br>RECOMMENDATIONS: A. REMOVE FOULING OR CORROSION. B. REPLACE/TIGHTEN FASTENERS. C. REPLACE LOCK WIRES. D. REPLACE PITSWORD. E. RESTORE__SQ FT OF COATING. DIVERS INSPECTION REPORT AVAILABLE AT WWW._____.COM<br>(REFERENCE JOB NUMBER_____). |

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| <b>Task/Abbreviation:</b> A-42623-017- -AER LHA1-03100 - ACCOMP |  |                     |  | <b>MJC:</b> EXTYA954 |  | <b>Rev Date:</b> 2/28/2008 |  |                          |  |                            |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                            |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 10       |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> TYLHA 03100 |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                            |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                  | <b>Recommended Solution:</b>                                                                     |
| BASELINE       | (A-42623-17) AER LHA1-03100, REPL DRT/DRAI W/MK6 MOD5 DDRT, NOT ACCOMPLISHED | ACCOMPLISH AER LHA1-03100 WHICH REPLACES THE EXISTING DRT/DRAI COMBINATION WITH A MK6 MOD5 DDRT. |

|                                                           |              |               |               |                   |                      |
|-----------------------------------------------------------|--------------|---------------|---------------|-------------------|----------------------|
| Task/Abbreviation: I-42711-013- -AN/WSN-7 RLGN - MRC NB10 |              |               | MJC: CXECI313 |                   | Rev Date: 10/27/2010 |
| RCM Analysis: 7/12/2004                                   | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                      |
| Lvl of Maint: 3                                           | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 4        | Alt No:              |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-42711-013)THE AN/WSN-7 RING LASER INERTIAL NAVIGATION REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/WSN-7 RING LASER INERTIAL NAVIGATION ASSESSMENT IN ACCORDANCE WITH MRC NB10 AS FOLLOWS: 1. PERFORM AN/WSN-7 SIMULATED HEADING, PITCH, AND ROLL OUTPUT TESTING. 2. ELECTRICALLY ZERO SYNCHRO SIGNAL AMPLIFIERS (SSAS), IF APPLICABLE. 3. ELECTRICALLY AND MECHANICALLY ZERO HEADING REPEATERS, IF APPLICABLE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



|                                                           |              |               |               |                   |                      |
|-----------------------------------------------------------|--------------|---------------|---------------|-------------------|----------------------|
| Task/Abbreviation: I-42711-014- -AN/WSN-7 RLGN - MRC LP10 |              |               | MJC: CXECI314 |                   | Rev Date: 10/27/2010 |
| RCM Analysis: 2/7/2005                                    | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                      |
| Lvl of Maint: 3                                           | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:              |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-42711-014)THE AN/WSN-7 RING LASER INERTIAL NAVIGATION REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/WSN-7 RING LASER INERTIAL NAVIGATION ASSESSMENT IN ACCORDANCE WITH MRC LP10 AS FOLLOWS: 1. PERFORM RECALIBRATION OF RLGN. 2. PERFORM DOCKSIDE CALIBRATION VERIFICATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-42711-015- -AN/WSN-7 RLGN - MRC LP12**MJC:** CXECI315**Rev Date:** 10/27/2010**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-42711-015)THE AN/WSN-7 RING LASER INERTIAL  
NAVIGATION REQUIRES ASSESSMENT.ACCOMPLISH THE AN/WSN-7 RING LASER INERTIAL NAVIGATION  
ASSESSMENT IN ACCORDANCE WITH MRC LP12 AS FOLLOWS: 1.  
TEST OPERATE RLGN ON BATTERY. REPORT CONDITIONS FOUND  
TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE  
IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-42711-A02- -AN/WSN-7 RLG N - MRC A4Z1 |              |               | MJC: CXECIDQ1 |                   | Rev Date: 6/13/2011 |
| RCM Analysis: 7/1/2007                                     | Scheduled: Y | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 3                                            | Freq: 24     | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-42711-A02)THE AN/WSN-7 RING LASER INERTIAL NAVIGATION REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/WSN-7 RING LASER INERTIAL NAVIGATION ASSESSMENT IN ACCORDANCE WITH MRC A4Z1 AS FOLLOWS: 1. MONITOR AND EXAMINE RLG N ATTITUDE DIVERGENCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-42721-002- -AIAS CABLES - MRC KD32 |  |              | MJC: CXECI317 |               | Rev Date: 7/29/2005 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                  |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                         |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                   |  |              |               | Repair Pool:  |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-42721-002)THE AIRCRAFT INERTIAL ALIGNMENT SYSTEM (AIAS) UMBILICALCABLES REQUIRES ASSESSMENT. | ACCOMPLISH THE AIRCRAFT INERTIAL ALIGNMENT SYSTEM UMBILICAL CABLES ASSESSMENT IN ACCORDANCE WITH MRC KD32 AS FOLLOWS: 1. INSPECT AND TEST DIGITAL UMBILICAL CABLES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-42721-003- -AIAS AOB - MRC KD33 |  |              | MJC: CXECI318 |               | Rev Date: 7/29/2005 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                              |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                      |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-42721-003)THE AIRCRAFT INERTIAL ALIGNMENT SYSTEM (AIAS) ALIGNMENT OUTLET BOXES (AOB) REQUIRES ASSESSMENT. | ACCOMPLISH THE AIRCRAFT INERTIAL ALIGNMENT SYSTEM ALIGNMENT OUTLET BOXES ASSESSMENT IN ACCORDANCE WITH MRC KD33 AS FOLLOWS: 1. CLEAN, INSPECT AND TEST OPERATE ALIGNMENT OUTLET BOXES (AOBS). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-42721-004- -AN/SRC-40 RADIO - MRC ESC8 |              |               | MJC: CEXECIBR7 |                   | Rev Date: 6/16/2005 |
| RCM Analysis: 2/7/2005                                      | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-42721-004)THE AN/SRC-40 INERTIAL NAVIGATION SYSTEM RADIO SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SRC-40 INERTIAL NAVIGATION SYSTEM RADIO SET ASSESSMENT IN ACCORDANCE WITH MRC ESC8 AS FOLLOWS:<br>1. MEASURE TRANSMITTER RF OUTPUT POWER LEVEL. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-42721-005- -AN/SRC-40 RADIO - MRC ESC9 |  |              | MJC: CXCIBR8 |               | Rev Date: 6/16/2005 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                      |  | Scheduled: N |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 0      |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                       |  |              | Repair Pool: |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-42721-005)THE AN/SRC-40 INERTIAL NAVIGATION SYSTEM RADIO SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SRC-40 INERTIAL NAVIGATION SYSTEM RADIO SET ASSESSMENT IN ACCORDANCE WITH MRC ESC9 AS FOLLOWS:<br>1. MEASURE TRANSMITTER FREQUENCY AND TEST TRANSMITTER MODULATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP.<br>PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-------------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: I-42721-006- -AN/SRC-40 RADIO - MRC ESD6 |              |               | MJC: CEXECIBR9 |                   | Rev Date: 6/16/2005 |
| RCM Analysis: 2/7/2005                                      | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3         |                   |                     |

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|----------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (I-42721-006)THE AN/SRC-40 INERTIAL NAVIGATION SYSTEM RADIO SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SRC-40 INERTIAL NAVIGATION SYSTEM RADIO SET ASSESSMENT IN ACCORDANCE WITH MRC ESD6 AS FOLLOWS:<br>1. VERIFY OPERATIONAL READINESS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-42721-007- -AIAS AOB - MRC MA79 |  |              | MJC: CXCIBY1 |               | Rev Date: 7/29/2005 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                              |  | Scheduled: N |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                      |  | Freq: 0      |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                |  |              | Repair Pool: |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-42721-007)THE AIRCRAFT INERTIAL ALIGNMENT SYSTEM (AIAS) REQUIRES ASSESSMENT. | ACCOMPLISH THE AIRCRAFT INERTIAL ALIGNMENT SYSTEM (AIAS) ASSESSMENT IN ACCORDANCE WITH MRC MA79 AS FOLLOWS: 1. CLEAN, INSPECT AND TEST OPERATE ALIGNMENT OUTLET BOXES (AOBS). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|----------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-43211-013- -DEFINITY IVN - MRC 9JRR |              |               | MJC: CXECIA85 |                   | Rev Date: 6/16/2005 |
| RCM Analysis: 2/7/2005                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-43211-013)THE DEFINITY INTEGRATED VOICE NETWORK (IVN) REQUIRES ASSESSMENT. | ACCOMPLISH THE DEFINITY INTEGRATED VOICE NETWORK (IVN) ASSESSMENT IN ACCORDANCE WITH MRC 9JRR AS FOLLOWS: 1. VERIFY ALARM AND ERROR STATUS OF PBX. 2. VERIFY ALARM AND ERROR STATUS OF DCSS. 3. VERIFY ALARM AND ERROR STATUS OF DDM-2000. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-43211-015- -DEFINITY IVN - MRC 9JRW**MJC:** CXECIA87**Rev Date:** 6/16/2005**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-43211-015)THE DEFINITY INTEGRATED VOICE NETWORK (IVN) REQUIRES ASSESSMENT.

ACCOMPLISH THE DEFINITY INTEGRATED VOICE NETWORK (IVN) ASSESSMENT IN ACCORDANCE WITH MRC 9JRW AS FOLLOWS: 1. MEASURE VOLTAGE READINGS. 2. TEST ALARM SETPOINTS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|----------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-43211-018- -DEFINITY IVN - MRC 9JSA |              |               | MJC: CXECIA90 |                   | Rev Date: 1/2/2007 |
| RCM Analysis: 2/7/2005                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-43211-018)THE DEFINITY INTEGRATED VOICE NETWORK (IVN) REQUIRES ASSESSMENT. | ACCOMPLISH THE DEFINITY INTEGRATED VOICE NETWORK (IVN) ASSESSMENT IN ACCORDANCE WITH MRC 9JSA AS FOLLOWS: 1. HARD SELECT THE ON-LINE SWITCH PROCESSING ELEMENT (SPE). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-43211-019- -DEFINITY IVN - MRC 9JSB |  |              | MJC: CXECIA91 |               | Rev Date: 6/16/2005 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                   |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                          |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-43211-019)THE DEFINITY INTEGRATED VOICE NETWORK (IVN) REQUIRES ASSESSMENT. | ACCOMPLISH THE DEFINITY INTEGRATED VOICE NETWORK (IVN) ASSESSMENT IN ACCORDANCE WITH MRC 9JSB AS FOLLOWS: 1. HARD RESET/CONTROLLER SELECT ON DCSS CABINET. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-43211-021- -DEFINITY IVN - MRC 9JSQ |  |              | MJC: CXECIA93 |               | Rev Date: 6/16/2005 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                   |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                          |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-43211-021)THE DEFINITY INTEGRATED VOICE NETWORK (IVN) REQUIRES ASSESSMENT. | ACCOMPLISH THE DEFINITY INTEGRATED VOICE NETWORK (IVN) ASSESSMENT IN ACCORDANCE WITH MRC 9JSQ AS FOLLOWS: 1. CLEAN AND INSPECT IVN SYSTEM BATTERIES. 2. ACCOMPLISH LONG DURATION LOAD TEST ON BATTERIES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-43211-023- -DEFINITY IVN - MRC 9JSV |  |              | MJC: CXECIA95 |               | Rev Date: 6/16/2005 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                   |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                          |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-43211-023)THE DEFINITY INTEGRATED VOICE NETWORK (IVN) REQUIRES ASSESSMENT. | ACCOMPLISH THE DEFINITY INTEGRATED VOICE NETWORK (IVN) ASSESSMENT IN ACCORDANCE WITH MRC 9JSV AS FOLLOWS: 1. ACCOMPLISH PROGRAMMABLE INTEGRATED COMMUNICATION TERMINAL (PICT) OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-43211-029- -DEFINITY IVN - MRC 9JSU |  |              | MJC: CXCICA6 |               | Rev Date: 7/29/2005 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                   |  | Scheduled: N |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                          |  | Freq: 0      |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              |              | Repair Pool:  |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (I-43211-029)THE DEFINITY INTEGRATED VOICE NETWORK (IVN) REQUIRES ASSESSMENT. | ACCOMPLISH THE DEFINITY INTEGRATED VOICE NETWORK (IVN) ASSESSMENT IN ACCORDANCE WITH MRC 9JSU AS FOLLOWS: 1. MEASURE INDIVIDUAL IVN BATTERY VOLTAGE. 2. ACCOMPLISH EQUALIZING CHARGE ON IVN BATTERIES. 3. SECURE EQUALIZING CHARGE ON IVN BATTERIES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-43311-016- -1MC BTRY DROP TST - MRC 9SQN |              |               | MJC: CXECIAA1 |                   | Rev Date: 12/6/2006 |
| RCM Analysis: 8/2/2004                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-43311-016)THE 1MC ANNOUNCING SYSTEM BATTERY DROP TEST REQUIRES ASSESSMENT. | ACCOMPLISH THE 1MC ANNOUNCING SYSTEM BATTERY DROP TEST ASSESSMENT IN ACCORDANCE WITH MRC 9SQN AS FOLLOWS: 1. CHECK BATTERIES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-43311-017- -1MC LD ANALYSIS - MRC 8ABY |  |              | MJC: CXECIAA2 |               | Rev Date: 12/6/2006 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                      |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                       |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-43311-017)THE 1MC ANNOUNCING SYSTEM LOAD ANALYSIS REQUIRES ASSESSMENT. | ACCOMPLISH THE 1MC ANNOUNCING SYSTEM LOAD ANALYSIS ASSESSMENT IN ACCORDANCE WITH MRC 8ABY AS FOLLOWS: 1. MEASURE 1/3/6MC LOUDSPEAKER LOAD, IMPEDANCE AND RESISTANCE TO GROUND. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-43311-026- -1MC INSULATION RES - MRC 9DAU |  |              | MJC: CEXECIDE8 |               | Rev Date: 9/18/2009 |            |                   |            |         |  |
| RCM Analysis: 7/7/2008                                         |  | Scheduled: N |                | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                |  | Freq: 0      |                | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                          |  |              | Repair Pool:   |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-43311-017)THE 1MC ANNOUNCING SYSTEM<br>SPEAKER RESISTANCE TO GROUND ASSESSMENT<br>. | ACCOMPLISH THE 1MC ANNOUNCING SYSTEM LOAD ANALYSIS<br>ASSESSMENT IN ACCORDANCE WITH MRC 9DAU AS FOLLOWS: 1.<br>MEASURE SPEAKER GROUP RESISTANCE TO GROUND. REPORT<br>CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND<br>MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE<br>"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST<br>4790.8B. |

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**Task/Abbreviation:** I-43411-003- -OE-556/U ANTENNA GP - MRC N2P1**MJC:** CXECIBY5**Rev Date:** 8/25/2010**RCM Analysis:** 9/6/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-43411-003)THE OE-556/U, OE-556A/U (TV-DTS)  
ANTENNA GROUP REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE OE-556A/U, OE-556A/U (TV-DTS) ANTENNA GROUP  
ASSESSMENT IN ACCORDANCE WITH MRC N2P1 AS FOLLOWS: 1.  
PERFORM VISUAL INSPECTION. 2. PERFORM OPERATIONAL TESTS.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-43611-063- -ALARM SWBD - MRC 6CPR**MJC:** EXECI835**Rev Date:** 5/30/2008**RCM Analysis:** 7/24/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-43611-063)THE ALARM SWITCHBOARDS AND PANELS REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE ALARM SWITCHBOARDS AND PANELS ASSESSMENT IN ACCORDANCE WITH MRC 6CPR AS FOLLOWS: 1. TEST ALARM SWITCHBOARDS AND PANELS AND TEST B51/B52 ALARM PANELS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-43611-075- -RFGT LEAK MON SYS - MRC 9MAT |              |               | MJC: CXCIAA8 |                   | Rev Date: 12/6/2006 |
| RCM Analysis: 8/2/2004                                        | Scheduled: N | Sit Reqs:     | Qty: 1       | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:   | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3       |                   |                     |

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|----------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-43611-075)THE PARASENSE MODEL 3304/3308 FSV-N REFRIGERANT LEAK MONITORING SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE PARASENSE MODEL 3304/3308 FSV-N REFRIGERANT LEAK MONITORING SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC 9MAT AS FOLLOWS: 1. PERFORM STYX MODULE ACCURACY CHECK. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-43611-078- -RFGT LEAK MON SYS - MRC T1P0**MJC:** CXECIC70**Rev Date:** 12/6/2006**RCM Analysis:** 8/2/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-43611-078)THE PARASENSE MODEL 3304/3308 FSV-N REFRIGERANT LEAK MONITORING SYSTEM REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE PARASENSE MODEL 3304/3308 FSV-N REFRIGERANT LEAK MONITORING SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC T1P0 AS FOLLOWS: 1. PERFORM REFRIGERANT MONITOR SYSTEM ASSESSMENT PROCEDURE AND SAMMS TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: K-43611-079- -SHIPALT LHA1-01169K - ACCOMP |  |              |  | MJC: EXSAK606 |  | Rev Date: 9/9/2005 |  |                   |  |                       |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1             |  | Removal Required: |  |                       |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 14,575  |  | ManDays: 224      |  | Alt No: SALHA 01169 K |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |                       |  |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (K-43611-79) SHIPALT LHA1-01169K, JOINT BIOLOGICAL POINT DETECTION, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01169K WHICH PROVIDES FLEET PERSONNEL WITH A POINT DETECTION SYSTEM THAT WILL ALERT PERSONNEL TO THE LOCATION AND CONDITIONS UNDER WHICH THE AGENT WAS DETECTED. FURTHER, THE JBPDS PROVIDES INDENTIFICATION OF THE BW AGENT AND CONDITIONS UNDER WHICH THE BW AGENT WAS USED. THE JBPDS WILL ALLOW TIME FOR SHIP'S FORCES TO TAKE PROTECTIVE AND EVASIVE ACTION. |



|                                                               |              |               |               |                   |                       |
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| Task/Abbreviation: K-43611-171- -SHIPALT LHA1-71786K - ACCOMP |              |               | MJC: CXSAK532 |                   | Rev Date: 3/26/2009   |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 10 | ManDays: 10       | Alt No: SALHA 71786 K |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                       |

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|----------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (K-43611-171) SHIPALT LHA1-71786K, JOINT BIOLOGICAL POINT DET SYS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-71786K WHICH PROVIDES THE NECESSARY INFORMATION TO INSTALL THE JOINT BIOLOGICAL POINT DETECTION SYSTEM (JBPDS) EQUIPMENT. THE JBPDS CONTAINS THE FOLLOWING: ONE BASIC BIO-SUITE UNIT (BBSU), ONE POWER PACK, AND TWO EXTERNAL CONTROL SYSTEMS (ECS) AND ASSOCIATED ATTACHING HARDWARE. THE ATTACHING HARDWARE CONSISTS OF ONE COLLECTION INLET AND ONE BIOLOGICAL AEROSOL WARNING SENSOR (BAWS) INLET, WITH ASSOCIATED EXHAUST OUTLETS. THE ECSS WILL BE LOCATED IN DAMAGE CONTROL CENTRAL AND COMBAT INFORMATION CENTER. THE BBSU AND POWER PACK ARE CO-LOCATED INSIDE AN EXTERIOR BULKHEAD AS FAR FORWARD AND HIGH AS POSSIBLE. PENETRATIONS THROUGHIS.WILSON@ THE BULKHEAD OR OVERHEAD ARE REQUIRED FOR TWO AIR INLET STACKS AND TWO EXHAUST PORTS. THE JBPDS INTEGRATES WITH SHIP'S 1MC AND NAVSSI SYSTEMS. POC: MANIA WILSON, 812 854 5828, MANIA.WILSON@NAVY.MIL |

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**Task/Abbreviation:** I-43711-018- -SALINITY IND PNL - MRC 6USD**MJC:** EXECI839**Rev Date:** 6/27/2005**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-43711-018)THE SALINITY INDICATING PANEL  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE SALINITY INDICATING PANEL ASSESSMENT IN  
ACCORDANCE WITH MRC 6USD AS FOLLOWS: 1. CHECK AND SET  
ALARM SET POINTS. 2. CHECK METER OPERATION. 3. TEST ALARM  
SET POINT. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B. NOTE 1. DUE TO EPA REGULATIONS, ALL  
SALINITY CHANNELS WITH A DUMP VALVE ASSOCIATED WITH IT  
SHALL BE TESTED/OPERATED 12 MILES OFFSHORE TO PREVENT  
DUMPING WASTEWATER PIER SIDE.

|                                                              |  |              |               |               |                     |            |                   |            |         |  |
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| Task/Abbreviation: I-43711-019- -SALINITY IND PNL - MRC 8BNG |  |              | MJC: EXECI840 |               | Rev Date: 6/27/2005 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                       |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                        |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-43711-019)THE SALINITY INDICATING PANEL REQUIRES ASSESSMENT. | ACCOMPLISH THE SALINITY INDICATING PANEL ASSESSMENT IN ACCORDANCE WITH MRC 8BNG AS FOLLOWS: 1. TEST METER AND ALARM SETPOINTS. REPORT CONDITIONS FOUND TO SHIP"S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. DUE TO EPA REGULATIONS, ALL SALINITY CHANNELS WITH A DUMP VALVE ASSOCIATED WITH IT SHALL BE TESTED/OPERATED 12 MILES OFFSHORE TO PREVENT DUMPING WASTEWATER PIER SIDE. |

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| Task/Abbreviation: Q-43721-014- -FO TK TLI - RPR |         |                |                   | MJC: EXECQAK0 |         | Rev Date: 3/2/1999 |  |
| RCM Analysis:                                    |         | Scheduled: N   | Sit Reqs:         |               | Qty: 46 | Removal Required:  |  |
| Lvl of Maint: 1                                  | Freq: 0 | Equip/Task: 46 | Matl Cost: 50,000 | ManDays: 92   | Alt No: |                    |  |
| Referenced Authority:                            |         | Repair Pool:   |                   | MCC: 4        |         |                    |  |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-43721-014)TANK LEVEL INDICATING SYSTEM REQUIRES REPAIR | REPAIR THE TANK LEVEL INDICATING SYSTEM FOR THE FUEL OIL TANKS (COMPENSATING AND NON-COMPENSATING STORAGE, SETTLING, SERVICE AND CARGO, AS APPLICABLE) PER CONDITION ASSESSMENT RECOMMENDATIONS. FOR GEMS TRANSMITTER EQUIPPED SHIPS ONLY, THE TASK INCLUDES REPLACEMENT OF FSS2 CABLE WITH RAYCHEM CABLE AND NITRAL BUSHINGS, REPAIR OR REPLACEMENT OF THE TRANSMITTER, AND REPAIR OR REPLACEMENT OF EPOXY COATING ON THE TRANSMITTER. |

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| <b>Task/Abbreviation:</b> Q-43721-015- -JP5 TK TLI - RPR |  |                     |  | <b>MJC:</b> EXECQAK1 |  | <b>Rev Date:</b> 3/3/1999 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                     |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                   |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 2 |  | <b>Matl Cost:</b> 10,000  |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                             |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                               | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE       | (Q-43721-015)TANK LEVEL INDICATING SYSTEM REQUIRES REPAIR | REPAIR THE TANK LEVEL INDICATING SYSTEM FOR THE JP5 TANKS (STORAGE, SERVICE, CARGO, AS APPLICABLE) PER CONDITION ASSESSMENT RECOMMENDATIONS. FOR GEMS TRANSMITTER EQUIPPED SHIPS ONLY, THE TASK INCLUDES REPLACEMENT OF FSS2 CABLE WITH RAYCHEM CABLE AND NITRAL BUSHINGS, REPAIR OR REPLACEMENT OF THE TRANSMITTER, AND REPAIR OR REPLACEMENT OF EPOXY COATING ON THE TRANSMITTER. |

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| Task/Abbreviation: Q-43721-016- -FDW TK TLI - RPR |              |               | MJC: EXECQAK2    |                   | Rev Date: 10/26/1999 |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: X           | Removal Required: |                      |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: X | Matl Cost: 2,500 | ManDays: 5        | Alt No:              |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 2           |                   |                      |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-43721-016)TANK LEVEL INDICATING SYSTEM<br>REQUIRES REPAIR | REPAIR THE TANK LEVEL INDICATING SYSTEM FOR THE<br>FEEDWATER TANKS PER CONDITION ASSESSMENT<br>RECOMMENDATIONS. FOR GEMS TRANSMITTER EQUIPPED SHIPS<br>ONLY, THE TASK INCLUDES REPLACEMENT OF FSS2 CABLE WITH<br>RAYCHEM CABLE AND NITRAL BUSHINGS, REPAIR OR<br>REPLACEMENT OF THE TRANSMITTER, AND REPAIR OR<br>REPLACEMENT OF EPOXY COATING ON THE TRANSMITTER. |

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| Task/Abbreviation: Q-43721-017- -POTW TK TLI - RPR |              |               | MJC: EXECQAK3    |                   | Rev Date: 3/3/1999 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 6           | Removal Required: |                    |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 6 | Matl Cost: 5,000 | ManDays: 10       | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 2           |                   |                    |

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|----------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-43721-017)TANK LEVEL INDICATING SYSTEM REQUIRES REPAIR | REPAIR THE TANK LEVEL INDICATING SYSTEM FOR THE POTABLE WATER TANKS PER CONDITION ASSESSMENT RECOMMENDATIONS. FOR GEMS TRANSMITTER EQUIPPED SHIPS ONLY, THE TASK INCLUDES REPLACEMENT OF FSS2 CABLE WITH RAYCHEM CABLE AND NITRAL BUSHINGS, REPAIR OR REPLACEMENT OF THE TRANSMITTER, AND REPAIR OR REPLACEMENT OF EPOXY COATING ON THE TRANSMITTER. |

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| Task/Abbreviation: Q-43721-018- -BLST TK TLI - RPR |         |                | MJC: EXECQAK4     |             | Rev Date: 10/25/1999 |  |
| RCM Analysis:                                      |         | Scheduled: N   | Sit Reqs:         | Qty: 34     | Removal Required:    |  |
| Lvl of Maint: 1                                    | Freq: 0 | Equip/Task: 34 | Matl Cost: 10,000 | ManDays: 20 | Alt No:              |  |
| Referenced Authority:                              |         | Repair Pool:   | MCC: 2            |             |                      |  |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-43721-018)TANK LEVEL INDICATING SYSTEM REQUIRES REPAIR | REPAIR THE TANK LEVEL INDICATING SYSTEM FOR THE BALLAST TANKS PER CONDITION ASSESSMENT RECOMMENDATIONS. FOR GEMS TRANSMITTER EQUIPPED SHIPS ONLY, THE TASK INCLUDES REPLACEMENT OF FSS2 CABLE WITH RAYCHEM CABLE AND NITRAL BUSHINGS, REPAIR OR REPLACEMENT OF THE TRANSMITTER, AND REPAIR OR REPLACEMENT OF EPOXY COATING ON THE TRANSMITTER. |



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| Task/Abbreviation: Q-43721-019- -CONTAM TK TLI - RPR |              |               | MJC: EXECQAK5    |                   | Rev Date: 3/3/1999 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 2 | Matl Cost: 5,000 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-43721-019)TANK LEVEL INDICATING SYSTEM<br>REQUIRES REPAIR | REPAIR THE TANK LEVEL INDICATING SYSTEM FOR THE<br>CONTAMINATED OIL/WATER TANKS PER CONDITION ASSESSMENT<br>RECOMMENDATIONS. FOR GEMS TRANSMITTER EQUIPPED SHIPS<br>ONLY, THE TASK INCLUDES REPLACEMENT OF FSS2 CABLE WITH<br>RAYCHEM CABLE AND NITRAL BUSHINGS, REPAIR OR<br>REPLACEMENT OF THE TRANSMITTER, AND REPAIR OR<br>REPLACEMENT OF EPOXY COATING ON THE TRANSMITTER. |

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| Task/Abbreviation: Q-43721-020- -LO STOR TK TLI - RPR |              |               | MJC: EXECQAK6  |                   | Rev Date: 3/3/1999 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 2 | Matl Cost: 180 | ManDays: 4        | Alt No:            |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2         |                   |                    |

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|----------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-43721-020)TANK LEVEL INDICATING SYSTEM REQUIRES REPAIR | REPAIR THE TANK LEVEL INDICATING SYSTEM FOR THE LUBE OIL STORAGE TANKS PER CONDITION ASSESSMENT RECOMMENDATIONS. FOR GEMS TRANSMITTER EQUIPPED SHIPS ONLY, THE TASK INCLUDES REPLACEMENT OF FSS2 CABLE WITH RAYCHEM CABLE AND NITRAL BUSHINGS, REPAIR OR REPLACEMENT OF THE TRANSMITTER, AND REPAIR OR REPLACEMENT OF EPOXY COATING ON THE TRANSMITTER. |

|                                                        |  |              |  |               |  |                    |  |                   |  |         |  |
|--------------------------------------------------------|--|--------------|--|---------------|--|--------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-43721-021- -LO SETLG TK TLI - RPR |  |              |  | MJC: EXECQAK7 |  | Rev Date: 3/3/1999 |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 2 |  | Matl Cost: 720     |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

|          |                                                           |                                                                                                                                                                                                                                                                                                                                                          |
|----------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-43721-021)TANK LEVEL INDICATING SYSTEM REQUIRES REPAIR | REPAIR THE TANK LEVEL INDICATING SYSTEM FOR THE LUBE OIL SETTLING TANKS PER CONDITION ASSESSMENT RECOMMENDATIONS. FOR GEMS TRANSMITTER EQUIPPED SHIPS ONLY, THE TASK INCLUDES REPLACEMENT OF FSS2 CABLE WITH RAYCHEM CABLE AND NITRAL BUSHINGS, REPAIR OR REPLACEMENT OF THE TRANSMITTER, AND REPAIR OR REPLACEMENT OF EPOXY COATING ON THE TRANSMITTER. |

|                                                               |              |               |                  |                   |                       |
|---------------------------------------------------------------|--------------|---------------|------------------|-------------------|-----------------------|
| Task/Abbreviation: D-43721-071- -SHIPALT LHA1-01106D - ACCOMP |              |               | MJC: EXSAD471    |                   | Rev Date: 9/8/2005    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,020 | ManDays: 99       | Alt No: SALHA 01106 D |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3           |                   |                       |

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|----------|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (D-43721-71) SHIPALT LHA1-01106D, INSTL RADAR TYPE TLI(S), NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01106D WHICH WILL REPLACE THE EXISTING FEED WATER TANK LEVEL INDICATING (TLI) SYSTEM WITH A GUIDED WAVE PULSE RADAR TYPE TLI SYSTEM MEETING MIL-L-23886 FOR ALL FEED WATER TANKS. EXISTING INDICATION SYSTEM IS REQUIRED TO BE UPGRADED/REPLACED TO ACCEPT NEW RADAR TLI SYSTEM. WHERE POSSIBLE, THE NEW TLI SYSTEM WILL MOUNT DIRECTLY TO EACH TANK SOUNDING TUBE TERMINUS. |

|                                                                      |  |                     |  |                      |  |                           |  |                          |  |                              |  |
|----------------------------------------------------------------------|--|---------------------|--|----------------------|--|---------------------------|--|--------------------------|--|------------------------------|--|
| <b>Task/Abbreviation:</b> D-43721-072- -SHIPALT LHA1-01107D - ACCOMP |  |                     |  | <b>MJC:</b> EXSAD472 |  | <b>Rev Date:</b> 9/8/2005 |  |                          |  |                              |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> |  |                              |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 12,000  |  | <b>ManDays:</b> 257      |  | <b>Alt No:</b> SALHA 01107 D |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                              |  |

|                |                                                                                     |                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Reason:</b> | <b>Problem Description:</b>                                                         | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                         |
| BASELINE       | (D-43721-72) SHIPALT LHA1-01107D, INSTL RADAR TYP TLI(S)/BLST TKS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01107D WHICH REPLACE THE EXISTING BALLAST TANK LEVEL INDICATING (TLI) SYSTEM WITH A GUIDED WAVE PULSE RADAR TYPE TLI SYSTEM MEETING MIL-L-23886 FOR ALL BALLAST STOWAGE, SERVICE, AND CONTAMINATED SETTLING TANKS (SEE REMARKS). WHERE POSSIBLE, THE NEW TLI SYSTEM WILL MOUNT DIRECTLY TO EACH TANK SOUNDING TUBE TERMINUS. |

|                                                               |         |               |                   |              |                       |                   |
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| Task/Abbreviation: K-43731-009- -SHIPALT LHA1-01045K - ACCOMP |         |               | MJC: EXSAK601     |              | Rev Date: 9/9/2005    |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:         |              | Qty: 1                | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 82,125 | ManDays: 895 | Alt No: SALHA 01045 K |                   |
| Referenced Authority:                                         |         | Repair Pool:  |                   | MCC: 3       |                       |                   |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                              |
| BASELINE | (K-43731-9) SHIPALT LHA1-01045K, MORIAH WIND<br>SYS (MWS) INSTLN, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01045K WHICH INSTALLS THE MORIAH<br>WIND SYS (MWS) WHICH IS A FULL REPLACEMENT FOR THE<br>CURRENT TYPE F WIND AND INDICATOR SYSTEM (WMIS). |

|                                                                  |  |                                                                  |  |                      |  |                                              |  |                          |  |                               |  |
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| <b>Task/Abbreviation:</b> O-43731-010- -SWD 1045 MORIAH - ACCOMP |  |                                                                  |  | <b>MJC:</b> CXSAO170 |  | <b>Rev Date:</b> 11/2/2005                   |  |                          |  |                               |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N                                              |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                |  | <b>Removal Required:</b> |  |                               |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0                                                   |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                            |  | <b>ManDays:</b>          |  | <b>Alt No:</b> SWD 1045MORIAH |  |
| <b>Referenced Authority:</b>                                     |  |                                                                  |  | <b>Repair Pool:</b>  |  |                                              |  | <b>MCC:</b> 3            |  |                               |  |
| <b>Reason:</b>                                                   |  | <b>Problem Description:</b>                                      |  |                      |  | <b>Recommended Solution:</b>                 |  |                          |  |                               |  |
| BASELINE                                                         |  | (O-43731-10) SWD 1045 MORIAH WIND SOFTWARE*1.1, NOT ACCOMPLISHED |  |                      |  | ACCOMPLISH SWD 1045 MORIAH WIND SOFTWARE*1.1 |  |                          |  |                               |  |

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| Task/Abbreviation: I-44111-001- -HF COMM ANTENNA -INSP/TST |              |               | MJC: CXECI033 |                   | Rev Date: 11/4/2010 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                            | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-44111-001)THE HF COMMUNICATION ANTENNAS REQUIRE INSPECTION. | INSPECT AND TEST THE HF COMMUNICATION ANTENNAS AS FOLLOWS: A. INSPECT COMPONENT AND/OR PARTS AND WIRING FOR DEFECTS. B. INSPECT FOUNDATIONS FOR DETERIORATION. C. INSPECT MOUNTING FASTENERS FOR CORROSION. D. INSPECT BONDING STRAPS FOR CORROSION. E. ACCOMPLISH SWEPT VSWR OF BROADBAND TRANSMIT ANTENNAS. F. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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**Task/Abbreviation:** I-44111-017- -LF/HF WHIP ANT - MRC ECZ5**MJC:** CXECIAB3**Rev Date:** 8/25/2010**RCM Analysis:** 10/23/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:** 75**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-44111-017)THE LF/HF WHIP ANTENNAS REQUIRES ASSESSMENT.

ACCOMPLISH THE LF/HF WHIP ANTENNAS ASSESSMENT IN ACCORDANCE WITH MRC ECZ5 AS FOLLOWS: 1. INSPECT AND CLEAN WHIP ANTENNA. 2. INSPECT AND CLEAN MATCHING UNIT, COUPLER, TUNER, OR JUNCTION BOX, AND INSULATORS. 3. MEASURE ANTENNA INSULATION RESISTANCE. 4. MEASURE METAL WHIP ANTENNA CONTINUITY. REGIONAL MAINTENANCE ACTIVITIES CONDUCTING ASSESSMENTS PERFORM MEASUREMENT STEPS, AND INSPECTION STEPS ONLY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-44111-019- -VHF/UHF DIPOLE ANT - MRC ARU1**MJC:** CXECIAB5**Rev Date:** 10/3/2010**RCM Analysis:** 10/23/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:** 50**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-44111-019)THE VHF/UHF DIPOLE ANTENNAS  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE VHF/UHF DIPOLE ANTENNAS ASSESSMENT IN  
ACCORDANCE WITH MRC ARU1 AS FOLLOWS: 1. INSPECT AND  
CLEAN VHF/UHF ANTENNA. 2. MEASURE VSWR. REGIONAL  
MAINTENANCE ACTIVITIES CONDUCTING ASSESSMENTS PERFORM  
ASSESS STEPS ONLY (I.E. NO CLEANING, NO SERVICING, NO  
LUBRICATING, ETC.). REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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|---------------------------------------------------------|--------------|---------------|--------------|-------------------|---------------------|
| Task/Abbreviation: I-44111-022- -HF WIRE ANT - MRC ECY5 |              |               | MJC: CXCIBY6 |                   | Rev Date: 11/4/2010 |
| RCM Analysis: 10/23/2006                                | Scheduled: N | Sit Reqs:     | Qty: 1       | Removal Required: |                     |
| Lvl of Maint: 3                                         | Freq: 0      | Equip/Task: 1 | Matl Cost:   | ManDays: 1        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3       |                   |                     |

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|----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-44111-022)THE WIRE ANTENNA REQUIRES ASSESSMENT. | ACCOMPLISH THE WIRE ANTENNA ASSESSMENT IN ACCORDANCE WITH MRC ECY5 AS FOLLOWS: 1. INSPECT ANTENNA WIRES AND GROUND WIRES. 2. INSPECT, CLEAN, AND PRESERVE MATCHING NETWORK INSULATOR. 3. MEASURE ANTENNA INSULATION RESISTANCE. REGIONAL MAINTENANCE ACTIVITIES CONDUCTING C5RA/TSRA ASSESSMENTS PERFORM INSPECTION STEPS ONLY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-44111-023- -OA-9242/3 (ATG) - MRC N2U4**MJC:** CXCIBY7**Rev Date:** 11/4/2010**RCM Analysis:** 9/6/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-44111-023)THE ANTENNA TILTING GROUPS (ATG)  
OA-9242/3(V)/SR; OA-9242A/3A(V)/SR REQUIRES  
ASSESSMENT.

ACCOMPLISH THE ANTENNA TILTING GROUPS (ATG)  
OA-9242/3(V)/SR; OA-9242A/3A(V)/SR ASSESSMENT IN ACCORDANCE  
WITH MRC N2U4 AS FOLLOWS: 1. INSPECT ATG. 2. MANUALLY  
OPERATE ATG. 3. ELECTRICALLY OPERATE ATG. 4. INSPECT  
BUMPER STOP. 5. CHECK MANUAL BRAKE RELEASE/HOLD  
FUNCTION/LUBRICATE. 6. MEASURE MANUAL BRAKE RELEASE  
HANDLE TRAVEL. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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|-------------------------------------------------------|--|--------------|----------------|---------------|---------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-44111-024- -OA-9242/3 - MRC N2U5 |  |              | MJC: CEXECIBY8 |               | Rev Date: 11/4/2010 |            |                   |            |         |  |
| RCM Analysis: 9/6/2004                                |  | Scheduled: N |                | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                       |  | Freq: 0      |                | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                 |  |              | Repair Pool:   |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-44111-024)THE THE ANTENNA TILTING GROUPS (ATG) OA-9242/3(V)/SR; OA-9242A/3A(V)/SR REQUIRES ASSESSMENT. | ACCOMPLISH THE ANTENNA TILTING GROUPS (ATG) OA-9242/3(V)/SR; OA-9242A/3A(V)/SR ASSESSMENT IN ACCORDANCE WITH MRC N2U5 AS FOLLOWS: 1. INSPECT ANTENNA TILTING PLATFORM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: O-44111-028- -EC 73363 USMC EMUT ANT- ACCOMP |              |               | MJC: EXT YA928 |                   | Rev Date: 7/9/2007 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 0        | Alt No: EC 73363   |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |                    |

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|----------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (O-44111-28) EC 73363 USMC EMUT ANT (SCD 3363), USMC EMUT ANTENNA INSTALLATION, NOT ACCOMPLISHED | ACCOMPLISH EC 73363 USMC EMUT ANT (SCD 3363), USMC EMUT ANTENNA INSTALLATION, WHICH THIS ALTERATION PROVIDES FOR THE PERMANENT INSTALLATION OF USMC ENHANCED MANPACK UHF TERMINAL (EMUT) ANTENNA MOUNTS, CONICAL LOG SPIRAL MOBILE (CLSM) ANTENNAS, POWER SUPPLIES, AND ASSOCIATED CABLES ON AMPHIBIOUS SHIPS. THE CLSM ANTENNA IS DESIGNED TO BE OPERABLE WITH RF SIGNALS BETWEEN 150 MHZ AND 1200MHZ AND PROVIDES AMPLIFICATION OF UHF SATCOM SIGNALS. IN ORDER TO INSTALL THE CLSM ANTENNAS, PLATFORMS PROVIDING A FLAT AREA OF APPROXIMATELY 12 SQUARE INCHES AND SUFFICIENT COAXIAL CABLE TO REACH A MAXIMUM LENGTH OF 300 FT. POC, MEDINA ROLANDO, (619)437-3128, ROLANDO.MEDINA@NAVY.MIL. |

|                                                               |  |              |               |               |                     |            |                   |            |         |  |
|---------------------------------------------------------------|--|--------------|---------------|---------------|---------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-44121-006- -AN/URA-38( ) CPLR - MRC BQC0 |  |              | MJC: CXECI232 |               | Rev Date: 11/8/2010 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                        |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-44121-006)THE AN/URA-38( ) ANTENNA COUPLER GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/URA-38( ) ANTENNA COUPLER GROUP ASSESSMENT IN ACCORDANCE WITH MRC BQC0 AS FOLLOWS: 1. TEST OPERATE ANTENNA COUPLER GROUP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-44121-008- -AN/URA-38( ) CPLR - MRC DNV4**MJC:** CXECI320**Rev Date:** 11/8/2010**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-44121-008)THE AN/URA-38( ) ANTENNA COUPLER GROUP REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/URA-38( ) ANTENNA COUPLER GROUP ASSESSMENT IN ACCORDANCE WITH MRC DNV4 AS FOLLOWS: 1. TEST AN/URA-38( ), C-3698A, C-3698C CONTROL UNIT INTERLOCKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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**Task/Abbreviation:** I-44131-023- -EPIRB - MRC EYC9**MJC:** CXECIAC5**Rev Date:** 10/28/2010**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-44131-023)THE EMERGENCY POSITION  
INDICATING RADIO BEACON (EPIRB) REQUIRES  
ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE EMERGENCY POSITION INDICATING RADIO  
BEACON (EPIRB) ASSESSMENT IN ACCORDANCE WITH MRC EYC9 AS  
FOLLOWS: 1. INSPECT EMERGENCY POSITION-INDICATING RADIO  
BEACON (EPIRB). 2. CONDUCT EMERGENCY POSITION-INDICATING  
RADIO BEACON (EPIRB) SELF-TEST. REPORT CONDITIONS FOUND  
TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE  
IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8SERIES.

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|---------------------------------------------------------------|--|--------------|---------------|---------------|---------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-44141-010- -R-2368 HF/LF RCVR - MRC EJA4 |  |              | MJC: CXECI237 |               | Rev Date: 11/8/2010 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                                      |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (I-44141-010)THE R-2368/URR, R-2368A/URR, R-2368B/URR, AND R-2368A(V)1 RECEIVING SET REQUIRES ASSESSMENT. | ACCOMPLISH THE R-2368/URR, R-2368A/URR, R-2368B/URR, AND R-2368A(V)1 RECEIVING SET ASSESSMENT IN ACCORDANCE WITH MRC EJA4 AS FOLLOWS: 1. MEASURE RECEIVER SENSITIVITY. 2. TEST RECEIVER AGC. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|----------------------------------------------------------------|--|--------------|---------------|---------------|---------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-44151-023- -AN/SRC-55(V) HYDRA - MRC N1B4 |  |              | MJC: CXECI238 |               | Rev Date: 8/24/2011 |            |                   |            |         |  |
| RCM Analysis: 6/7/2004                                         |  | Scheduled: Y |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                |  | Freq: 18     |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                          |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

|          |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                               |
|----------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-44151-023)THE AN/SRC-55(V) HIERARCHICAL YET DYNAMIC REPROGRAMMABLE ARCHITECTURE REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SRC-55(V) HIERARCHICAL YET DYNAMIC REPROGRAMMABLE ARCHITECTURE ASSESSMENT IN ACCORDANCE WITH MRC N1B4 AS FOLLOWS: 1. TEST OPERATE HYDRA RADIO AND SUPPORT EQUIPMENT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-44151-024- -AN/URC-131(V) HFRG - MRC N1B2**MJC:** CXECI332**Rev Date:** 8/24/2011**RCM Analysis:** 12/4/2006**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-44151-024)THE AN/URC-131( )(V) HIGH FREQUENCY RADIO GROUP (HFRG) HIGH FREQUENCY RADIO TRANSMITTER SYSTEM REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/URC-131( )(V) HIGH FREQUENCY RADIO GROUP (HFRG) HIGH FREQUENCY RADIO TRANSMITTER SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC N1B2 AS FOLLOWS: 1. TEST PP-8419/URC POWER SUPPLY SAFETY INTERLOCKS. 2. TEST F-1661/URC BANDPASS FILTER AND CV-4279/URC RF COMBINER SAFETY INTERLOCKS. 3. TEST CU-2548, CU-2549/URC RF COUPLER AND DA-749 RF TERMINATION LOAD SAFETY INTERLOCKS (8KW SYSTEM). 4. TEST CU-2566, CU-2567, CU-2586, CU-2569/URC RF COUPLER AND DA-749, DA-752 RF TERMINATION LOAD SAFETY INTERLOCKS (12KW SYSTEM). 5. PERFORM AN/URC-131 CHECKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-44151-031- -AN/URC-93 RADIO SET - MRC EEZ7 |              |               | MJC: CXECI339 |                   | Rev Date: 10/3/2010 |
| RCM Analysis: 2/7/2005                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-44151-031)THE AN/URC-93 RADIO SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/URC-93 RADIO SET ASSESSMENT IN ACCORDANCE WITH MRC EEZ7 AS FOLLOWS: 1. PERFORM POWER TURN-ON/CONTROL SELF-TEST. 2. PERFORM RECEIVER SELF-TEST. 3. PERFORM TRANSMITTER SELF-TEST. 4. PERFORM ANTENNA SELF-TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44151-032- -AN/URC-93 RADIO SET - MRC DWQ1 |              |               | MJC: CXECI340 |                   | Rev Date: 10/3/2010 |
| RCM Analysis: 2/7/2005                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-44151-032)THE AN/URC-93 RADIO SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/URC-93 RADIO SET ASSESSMENT IN ACCORDANCE WITH MRC DWQ1 AS FOLLOWS: 1. MEASURE AN/URC-93(V)1 TRANSMITTER POWER OUTPUT AND FREQUENCY. 2. MEASURE TRANSMITTER FSK DEVIATION. 3. MEASURE TRANSMITTER FM DATA DEVIATION. 4. MEASURE TRANSMITTER FM DATA RESPONSE. 5. MEASURE RECEIVER FM/FSK QUIETING. 6. MEASURE RECEIVER FM DATA RESPONSE. 7. MEASURE RECEIVER FM DATA OUTPUT LEVEL. 8. MEASURE RECEIVER FSK OUTPUT LEVEL. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44151-041- -AN/SRC-57(V)2,3 - MRC N2J5 |  |              | MJC: CXECIAD4 |               | Rev Date: 10/3/2010 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                      |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                       |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-44151-041)THE AN/SRC-57(V)2,3 REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SRC-57(V)2,3 ASSESSMENT IN ACCORDANCE WITH MRC N2J5 AS FOLLOWS: 1. PERFORM OPERATIONAL TEST. 2. PERFORM ON AIR TESTING. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-44151-046- -AN/PRC-96 - MRC DHN7**MJC:** EXECIEL8**Rev Date:** 10/28/2010**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-44151-046)THE AN/PRC-96 RADIO SET REQUIRES ASSESSMENT.

ACCOMPLISH THE AN/PRC-96 RADIO SET ASSESSMENT IN ACCORDANCE WITH MRC DHN7 AS FOLLOWS: 1. INSPECT AN/PRC-96 RADIO SET AND BATTERIES. 2. TEST OPERATE RADIO SET. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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| Task/Abbreviation: I-44151-047- -AN/PRC-25, 77, 1077 - MRC DHP1 |  |              | MJC: EXECIEL9 |               | Rev Date: 10/28/2010 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                          |  | Scheduled: N |               | Sit Reqs:     |                      | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                 |  | Freq: 0      |               | Equip/Task: 1 |                      | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                           |  |              | Repair Pool:  |               |                      | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-44151-047)THE AN/PRC-25,77,1077 RADIO SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/PRC-25,77,1077 RADIO SET ASSESSMENT IN ACCORDANCE WITH MRC DHP1 AS FOLLOWS: 1. INSPECT AN/PRC-25,77,1077 RADIO SET. 2. TEST OPERATE RADIO SET. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44151-059- -AN/UYQ-86(V) - MRC A1R2 |  |              | MJC: CXCIBZ0 |               | Rev Date: 10/4/2010 |            |                   |            |         |  |
| RCM Analysis: 10/4/2004                                  |  | Scheduled: N |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool: |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-44151-059)THE AN/UYQ-86(V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UYQ-86(V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) ASSESSMENT IN ACCORDANCE WITH MRC A1R2 AS FOLLOWS: 1. PERFORM VISUAL MATERIAL CONDITION ASSESSMENT ON AN/UYQ-86 COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44151-060- -AN/UYQ-86(V) - MRC A1R3 |  |              | MJC: CEXECIBZ1 |               | Rev Date: 10/4/2010 |            |                   |            |         |  |
| RCM Analysis: 12/11/2006                                 |  | Scheduled: N |                | Sit Reqs:     |                     | Qty: 0     | Removal Required: |            |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |                | Equip/Task: 0 |                     | Matl Cost: |                   | ManDays: 0 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool:   |               |                     | MCC: 0     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-44151-060)THE AN/UYQ-86(V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UYQ-86(V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) ASSESSMENT IN ACCORDANCE WITH MRC A1R3 AS FOLLOWS: 1. PERFORM AN/UYQ-86 (V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) TO AN/USQ-118(V)1 PROGRAMMED OPERATIONAL FUNCTIONAL APPRAISAL (POFA). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44151-061- -AN/UYQ-86(V) - MRC A1R4 |  |              | MJC: CXCIBZ2 |               | Rev Date: 10/4/2010 |            |                   |            |         |  |
| RCM Analysis: 10/4/2004                                  |  | Scheduled: N |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              |              | Repair Pool:  |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (I-44151-061)THE AN/UYQ-86(V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UYQ-86(V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) ASSESSMENT IN ACCORDANCE WITH MRC A1R4 AS FOLLOWS: 1. PERFORM UYQ-86 (V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) TO COMMON SHIPBOARD DATA TERMINAL SET (CSDTS) PROGRAMMED OPERATIONAL FUNCTIONAL APPRAISAL (POFA). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44151-062- -AN/UYQ-86(V) - MRC A1S4 |  |              | MJC: CXCIBZ3 |               | Rev Date: 10/4/2010 |            |                   |            |         |  |
| RCM Analysis: 10/4/2004                                  |  | Scheduled: N |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool: |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (I-44151-062)THE AN/UYQ-86(V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UYQ-86(V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) ASSESSMENT IN ACCORDANCE WITH MRC A1S4 AS FOLLOWS: 1. PERFORM UYQ-86 (V) COMMON DATA LINK MANAGEMENT SYSTEM (CDLMS) LINK-16 OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-44151-065- -AN/WSC-3(V)6,7,11,14 -MRC ETB2**MJC:** CXECIBZ6**Rev Date:** 10/3/2010**RCM Analysis:** 12/11/2006**Scheduled:** N**Sit Reqs:****Qty:** 16**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-44151-065)THE AN/WSC-3(V) 6,7,11,14 LINE OF SIGHT (LOS) COMMUNICATIONS SET REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/WSC-3(V) 6,7,11,14 LINE OF SIGHT (LOS) COMMUNICATIONS SET ASSESSMENT IN ACCORDANCE WITH MRC ETB2 AS FOLLOWS: 1. MEASURE AM AND FM RECEIVER SENSITIVITY. 2. MEASURE RECEIVER SQUELCH SENSITIVITY. 3. MEASURE NARROWBAND RECEIVE AUDIO OUTPUT. 4. MEASURE AM WIDEBAND RECEIVE AUDIO OUTPUT. 5. MEASURE LINK 11 RECEIVE AUDIO OUTPUT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-44151-066- -AN/URC-107(V)7 RADIO-MRC A1Q9**MJC:** CXECIBZ7**Rev Date:** 8/24/2011**RCM Analysis:** 10/23/2006**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-44151-066)THE AN/URC-107(V)7 RADIO SET  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AN/URC-107(V)7 RADIO SET ASSESSMENT IN  
ACCORDANCE WITH MRC A1Q9 AS FOLLOWS: 1. PERFORM VISUAL  
INSPECTION. 2. PERFORM SYSTEM OPERATIONAL TEST. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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| Task/Abbreviation: I-44151-067- -AN/URC-107(V)7 ANT-MRC LN63 |              |               | MJC: CXCIBZ8 |                   | Rev Date: 10/27/2010 |
| RCM Analysis: 10/23/2006                                     | Scheduled: N | Sit Reqs:     | Qty: 2       | Removal Required: |                      |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:   | ManDays: 1        | Alt No:              |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3       |                   |                      |

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| Reason:  | Problem Description:                                                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-44151-067)THE AS-4127A/URC-107(V), AS-4400/URC, OR AS-177( )/UPX JTIDS SHIPBOARD ANTENNA REQUIRES ASSESSMENT. | ACCOMPLISH THE AS-4127A/URC-107(V), AS-4400/URC, OR AS-177( )/UPX JTIDS SHIPBOARD ANTENNA ASSESSMENT IN ACCORDANCE WITH MRC LN63 AS FOLLOWS: 1. INSPECT ANTENNA. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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**Task/Abbreviation:** I-44151-068- -AN/URC-107(V)7 RADIO-MRC AB55**MJC:** CXECICH4**Rev Date:** 10/27/2010**RCM Analysis:** 8/2/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-44151-068)THE AN/URC-107(V)7 RADIO SET  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AN/URC-107(V)7 RADIO SET ASSESSMENT IN  
ACCORDANCE WITH MRC AB55 AS FOLLOWS: 1. INSPECT  
RECHARGEABLE NI-CAD BATTERY. 2. REPLACE LITHIUM CELLS.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.

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|-----------------------------------------------------------------|---------|---------------|---------------|------------|------------------------|
| Task/Abbreviation: O-44151-069- -EC 71046 10 AN/UYQ-86 - ACCOMP |         |               | MJC: EXSAO079 |            | Rev Date: 5/24/2006    |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:      |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 2 | Alt No: EC 71046 UYQ86 |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3        |            |                        |

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| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                 |
| BASELINE | (O-44151-69) EC 71046 10 AN/UYQ-86(V), C2P REHOST SW VER R4600A00, NOT ACCOMPLISHED | ACCOMPLISH EC 71046 10 WHICH PROVIDES INSTALLATION INSTRUCTIONS AND SOFTWARE UPGRADE TO C2P HOST VERSION R4600A00 FOR THE AN/UYQ-86(V) SYSTEM. THIS SOFTWARE UPGRADE PROVIDES IMPROVEMENT IN SOFTWARE CAPABILITIES AND FUNCTIONALITY. |

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| Task/Abbreviation: O-44151-104- -EC 74977 AN/UYQ-86(V) - ACCOMP |              |               | MJC: CXSAO829 |                   | Rev Date: 10/4/2007 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: EC 74977    |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (O-44151-104) EC 74977 (SCD 4977) UYQ-86 C2PR SW UPGD R4R602, NOT ACCOMPLISHED | ACCOMPLISH EC 74977 (SCD 4977) UYQ-86 C2PR SW UPGD R4R602 WHICH THIS EC PROVIDES INSTALLATION INSTRUCTIONS AND SOFTWARE UPGRADE TO C2P REHOST VERSION R4R602A00 FOR THE AN/UYQ-86(V) SYSTEM. THIS SOFTWARE UPGRADE SUPERCEDES EARLIER VERSIONS OF C2PR SOFTWARE AND PROVIDES IMPROVED SOFTWARE CAPABILITIES AND FUNCTIONALITY. POC: MANUEL PANIS, 619-437-3999, MANUEL.PANIS@NAVY.MIL. |

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|--------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-44151-A02- -AN/PRC-113 - MRC FWS1 |              |               | MJC: EXECIKM2 |                   | Rev Date: 10/5/2011 |
| RCM Analysis: 2/7/2005                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-44151-048)THE AN/PRC-113 RADIO SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/PRC-113 RADIO SET ASSESSMENT IN ACCORDANCE WITH MRC FWS1 AS FOLLOWS: 1. Measure AN/PRC-113 Series Radio Set Parameters Using IFR 2947A Test Set. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44161-011- -RD-379/390 - MRC EDQ8 |  |              | MJC: CXECIAD9 |               | Rev Date: 10/5/2010 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                 |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              |               | Repair Pool:  |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (I-44161-011)THE RD-379(V), RD-379A(V), RD-390(V)/UNH REQUIRES ASSESSMENT. | ACCOMPLISH THE RD-379(V), RD-379A(V), RD-390(V)/UNH ASSESSMENT IN ACCORDANCE WITH MRC EDQ8 AS FOLLOWS: 1. MONITOR AND ADJUST RECORDING AND REPRODUCE LEVELS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-44171-002- -AS-3018/WSC-1 ANT - REPL/TST |              |               | MJC: CXECQ026  |                   | Rev Date: |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:   |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-44171-002)ANTENNA REQUIRES REPLACEMENT | REPLACE THE OE-82( )/WSC-1(V) ANTENNA GROUP EQUIPMENT PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS FOLLOWS:<br>A. ANTENNA AS-3018( )/WSC-1(V) - 1. REMOVE ANTENNA TO BE EXCHANGED. 2. INSTALL EXCHANGED ANTENNA. 3. TEST ANTENNA.<br>B. AMPLIFIER-FILTER AM-6691/WSC-1 - 1. REMOVE UNIT TO BE EXCHANGED. 2. INSTALL EXCHANGED AMPLIFIER FILTER. 3. TEST AMPLIFIER FILTER. C. ACCOMPLISH TDR AND VSWR TESTS TO RF CABLES AND REPORT CONDITIONS FOUND TO SHIP'S CSMP. |

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| Task/Abbreviation: O-44171-071- -EC 1 AN/USQ-145(V)1-8 - ACCOMP |              |               |            | MJC: EXSAO067 | Rev Date: 10/27/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     |            | Qty: 1        | Removal Required:    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: | ManDays: 1    | Alt No: EC 1 USQ-145 |
| Referenced Authority:                                           | Repair Pool: |               | MCC: 3     |               |                      |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (O-44171-71) EC 1 AN/USQ-145(V)1-8, SW UP 12.29/10.11&VTC 300 V2.7, NOT ACCOMPLISHED | ACCOMPLISH EC 1 AN/USQ-145(V)1-8 WHICH PROVIDES INSTALLATION INSTRUCTIONS FOR AN/USQ-145(V)1-8 SOFTWARE VERSION DIGITAL SIGNAL PROCESSOR (DSP) 12.28/10.11 AND VIASAT TERMINAL CONTROLLER (VTC-300) V2.7 THIS UPGRADE WILL REPLACE DSP 12.11/10.9 AND VTC-300 V2.0 RESPECTIVELY. MD-1324A DSP 12.28 SOFTWARE BUILD CORRECTS SYSTEM LOCK-UP PROBLEMS. MD-1324 DSP 10.11 SOFTWARE FIXES THE REQUEST TO SEND (RTS) DATA DUMP FEATURE TO THE SYSTEM. VTC-300 V2.7 SOFTWARE ENHANCES THE GRAPHICAL USER INTERFACE (GUI) REED SOLOMON ERROR THRESHOLD PULL DOWN MENU IN SUPPORT OF THE ADVANCED DIGITAL WAVEFORM (ADW). |

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| Task/Abbreviation: I-44171-072- -OE-82B,C,D - MRC CYP9 |  |              | MJC: CXECIC00 |               | Rev Date: 9/15/2010 |            |                   |            |         |  |
| RCM Analysis: 9/7/2004                                 |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 2     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-44171-072)THE OE-82B/WSC-1(V), OE-82C/WSC-1(V) AND OE-82D/WSC ANTENNA GROUPS REQUIRES ASSESSMENT. | ACCOMPLISH THE OE-82B/WSC-1(V), OE-82C/WSC-1(V) AND OE-82D/WSC ANTENNA GROUPS ASSESSMENT IN ACCORDANCE WITH MRC CYP9 AS FOLLOWS: 1. MEASURE RF TRANSMISSION LINE LOSSES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-44171-073- -OE-82B,C,D - MRC DMX1 |  |              |  | MJC: CEXECIC01 |  | Rev Date: 9/15/2010 |  |                   |  |         |  |
| RCM Analysis: 9/7/2004                                 |  | Scheduled: N |  | Sit Reqs:      |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |  | Equip/Task: 1  |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:   |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-44171-073)THE OE-82B/WSC-1(V), OE-82C/WSC-1(V) AND OE-82D/WSC ANTENNA GROUPS REQUIRES ASSESSMENT. | ACCOMPLISH THE OE-82B/WSC-1(V), OE-82C/WSC-1(V) AND OE-82D/WSC ANTENNA GROUPS ASSESSMENT IN ACCORDANCE WITH MRC DMX1 AS FOLLOWS: 1. CONDUCT OE-82( )/WSC-1(V) AND OE-82D/WSC ANTENNA GROUP PERFORMANCE TESTS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44171-074- -OE-82B,C,D - MRC FPY2 |  |              | MJC: CEXECIC02 |               | Rev Date: 8/25/2010 |            |                   |            |         |  |
| RCM Analysis: 9/7/2004                                 |  | Scheduled: N |                | Sit Reqs:     |                     | Qty: 2     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |                | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:   |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-44171-074)THE OE-82( )/WSC-1(V) ANTENNA GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE OE-82( )/WSC-1(V) ANTENNA GROUP ASSESSMENT IN ACCORDANCE WITH MRC FPY2 AS FOLLOWS: 1. TEST TRANSMISSION LINE AND AMPLIFIER-FILTER PRESSURIZATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-44171-075- -AN/WSC-3(V) SATCOM - MRC EYB1**MJC:** CEXECIC03**Rev Date:** 10/3/2010**RCM Analysis:** 9/6/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-44171-075)THE AN/WSC-3(V) SATELLITE COMMUNICATIONS (SATCOM) REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/WSC-3(V) SATELLITE COMMUNICATIONS (SATCOM) ASSESSMENT IN ACCORDANCE WITH MRC EYB1 AS FOLLOWS: 1. VERIFY VOLTAGE REGULATOR VOLTAGES. 2. MEASURE AN/WSC-3(V)(ÿ) 5 MHZ FREQUENCY OUTPUT. 3. ACCOMPLISH AFC SWEEP PERFORMANCE TEST. 4. ACCOMPLISH VCXO PERFORMANCE TEST. 5. ACCOMPLISH PSK AFC/AGC PERFORMANCE TEST. 6. VERIFY PSK INTEGRATOR OUTPUT. 7. VERIFY BIT TIMING VXCO FREQUENCY. 8. TEST DATA SIGNAL ACQUISITION LAMP ACTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-44171-078- -OK-454(V)/455(V) - MRC N2F4 |  |              | MJC: CEXECIC06 |               | Rev Date: 10/5/2010 |            |                   |            |         |  |
| RCM Analysis: 12/4/2006                                      |  | Scheduled: N |                | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |                | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 2 | Alt No: |  |
| Referenced Authority:                                        |  |              |                | Repair Pool:  |                     |            | MCC: 3            |            |         |  |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-44171-078)THE OK-454/455 TD-1271/DAMA REQUIRES ASSESSMENT. | ACCOMPLISH THE OK-454/455 TD-1271/DAMA ASSESSMENT IN ACCORDANCE WITH MRC N2F4 AS FOLLOWS: 1. PERFORM OK-454/455 CHECKOUT. 2. PERFORM TD-1271 CHECKOUT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44171-079- -AN/WSC-8(V)1,2 - MRC N2W8 |  |              | MJC: CEXECIC07 |               | Rev Date: 8/24/2011 |            |                   |            |         |  |
| RCM Analysis: 12/11/2006                                   |  | Scheduled: Y |                | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                            |  | Freq: 24     |                | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 2 | Alt No: |  |
| Referenced Authority:                                      |  |              | Repair Pool:   |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-44171-079)THE AN/WSC-8(V)1,2 SHF SATELLITE COMMUNICATIONS SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/WSC-8(V)1,2 SHF SATELLITE COMMUNICATIONS SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC N2W8 AS FOLLOWS: 1. PERFORM MATERIAL CONDITION INSPECTION. 2. PERFORM BELOW DECKS EQUIPMENT (BDE) TEST. 3. PERFORM OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44171-081- -AN/USR-10 - MRC N2X0 |  |              | MJC: CXECIC09 |               | Rev Date: 1/11/2011 |            |                   |            |         |  |
| RCM Analysis: 12/11/2006                              |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                       |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                 |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-44171-081)THE AN/USR-10(V)1,2,3,4,5, 10A(V)4, 10A(V)5 GLOBAL BRAODCAST SYSTEM) REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/USR-10(V)1,2,3,4,5, 10A(V)4, 10A(V)5 GLOBAL BRAODCAST SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC N2X0 AS FOLLOWS: 1. PERFORM VISUAL INSPECTION. 2. PERFORM RECEIVE COAXIAL CABLE CERTIFICATION (PASS/FAIL). 3. PERFORM TRACKING RECEIVER CONTROLLER ASSEMBLY (TR/CA), DUAL ANTENNA SWITCH (DAS) AND SHIPBOARD RECEIVE BROADCAST MANAGER (RBM) POWER-UP. 4. PERFORM SHIPBOARD ANTENNA SYSTEM (SAS) TEST (PASS/FAIL). 5. PERFORM SHIPBOARD ANTENNA SYSTEM INITIALIZATION (PASS/FAIL). 6. PERFORM SHIPBOARD ANTENNA SYSTEM UNDERWAY ACQUISITION (PASS/FAIL). 7. SRBM UNCLASSIFIED AUDIO/VIDEO TEST PROCEDURES (PASS/FAIL). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: K-44171-082- -SHIPALT LHA1-01207K - ACCOMP |              |               | MJC: EXSAK607     |                   | Rev Date: 5/3/2006    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1            | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 45,000 | ManDays: 60       | Alt No: SALHA 01207 K |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3            |                   |                       |

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| Reason:  | Problem Description:                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (K-44171-82) SHIPALT LHA1-01207K, EBEM MODEM FOR WSC-6 VARIANTS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01207K WHICH REMOVES THE EXISTING OBSOLETE CQM-248A MODEMS AND/OR SLM-3650 MODEMS AND INSTALLS TWO (2) MD-1366A/U EBEM MODEMS. THE UPGRADE CONSISTS OF MODEM REPLACEMENT, LOADING THE EBEM GUI ON THE SHF BASEBAND LAPTOP, AND PROGRAMMING THE CODE OPERATED SWITCH TO CONTROL THE MODEMS REMOTELY. THE UPGRADE WILL UTILIZE EXISTING POWER, MOD/DEMODO IF, EXTERNAL REFERENCE, DIGITAL DATA, AND REMOTE CONTROL CABLING. |

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| Task/Abbreviation: O-44171-106- -EC 71126 USQ-145(V) - ACCOMP |              |               | MJC: EXSAO140 |                   | Rev Date: 7/3/2006 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: EC 71126   |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (O-44171-106) EC 71126 AN/USQ-145(V)1-8, SW UP 12.29/10.11&VTC 300 V2.7, NOT ACCOMPLISHED | ACCOMPLISH EC 71126 AN/USQ-145(V)1-8 WHICH PROVIDES INSTALLATION INSTRUCTIONS FOR AN/USQ-145(V)1-8 SOFTWARE VERSION DIGITAL SIGNAL PROCESSOR (DSP) 12.28/10.11 AND VIASAT TERMINAL CONTROLLER (VTC-300) V2.7 THIS UPGRADE WILL REPLACE DSP 12.11/10.9 AND VTC-300 V2.0 RESPECTIVELY. MD-1324A DSP 12.28 SOFTWARE BUILD CORRECTS SYSTEM LOCK-UP PROBLEMS. MD-1324 DSP 10.11 SOFTWARE FIXES THE REQUEST TO SEND (RTS) DATA DUMP FEATURE TO THE SYSTEM. VTC-300 V2.7 SOFTWARE ENHANCES THE GRAPHICAL USER INTERFACE (GUI) REED SOLOMON ERROR THRESHOLD PULL DOWN MENU IN SUPPORT OF THE ADVANCED DIGITAL WAVEFORM (ADW). POC: SIMON CHAMMAS, 619-524-2584, SIMON.CHAMMAS@NAVY.MIL. OR MICHAEL FISHER, 619-524-7153, MICHAEL.FISHER@NAVY.MIL |



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| Task/Abbreviation: O-44171-108- -EC 71156 7 USC-38(V)9 - ACCOMP |              |               | MJC: CXSAO241 |                   | Rev Date: 8/30/2006 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: EC 71156    |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (O-44171-108) EC 71156 (SCD 1156) AN/USC-38(V)9, SURFACE FOT BASELINE UPGRADE, NOT ACCOMPLISHED | ACCOMPLISH EC 71156 (SCD 1156), AN/USC-38(V)9 WHICH WILL UPGRADE THE AN/USC-38(V)9 SURFACE EHF FOTS TO ENGINEERING HARDWARE BASELINE. THIS INCLUDES THE FOLLOWING UPGRADES: VME RECTIFIER, DOWN CONVERTER MODULATOR, BASEBAND INTERFACE, INTERFACE ADAPTER, SYNTHESIZER MODULE, RF CONVERTER, C-BAND INTERFACE (CIF), STRUCTURE BORN NOISE IMPROVEMENTS, 5MHZ NOISE IMMUNITY IMPROVEMENTS, RUBIDIUM STANDARD, PRIME POWER INTERFACE, ANTENNA CABLE MARKERS, ANTENNA KICK PLATES, SSA FAN MOTORS, SSA BAND PASS MOTORS, SLIP RINGS, INERTIAL DATA ASSEMBLIES, RADAR ABSORBING MATERIAL, VERIFICATION OF HARDENED SOLID STATE AMPLIFIER AND ELECTRO MAGNETIC INTERFERENCE CABLES, ANTENNA BALANCE, NAVIGATION EMP ADAPTER, ANTENNA MOTOR BOX EMP FILTER, NAMEPLATES, OPERATOR INTERFACE UNIT. POC: GARY FORD, 858-537-0523, GARY.T.FORD@NAVY.MIL. |

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| Task/Abbreviation: I-44171-109- -AN/SSR-1,1A SATL SET-MRC BTT8 |              |               | MJC: CEXECICR1 |                   | Rev Date: 9/15/2010 |
| RCM Analysis: 6/6/2005                                         | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-44171-109)THE AN/SSR-1, 1A SATELLITE RECEIVING SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SSR-1, 1A SATELLITE RECEIVING SET ASSESSMENT IN ACCORDANCE WITH MRC BTT8 AS FOLLOWS: 1. INSPECT AN/SSR-1( ) AMPLIFIER-CONVERTERS AND ANTENNAS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44171-110- -AN/SSR-1,1A SATL SET-MRC BQD2 |              |               | MJC: CEXECICR2 |                   | Rev Date: 9/15/2010 |
| RCM Analysis: 6/6/2005                                         | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-44171-110)THE AN/SSR-1, 1A SATELLITE RECEIVING SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SSR-1, 1A SATELLITE RECEIVING SET ASSESSMENT IN ACCORDANCE WITH MRC BQD2 AS FOLLOWS: 1. ADJUST LOCAL OSCILLATOR FREQUENCY. 2. ADJUST PSK FREQUENCY. 3. ADJUST BIT SYNC FREQUENCY FOR BIT SYNCHRONIZER P/N 01-P00139F001. 4. ADJUST BIT SYNCHRONIZER ANALOG TO DIGITAL CONVERTER INPUT LEVEL FOR BIT SYNCHRONIZER P/N 01-P00139F002. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44171-111- -AN/SSR-1,1A SATL SET-MRC BCV5 |              |               | MJC: CEXECICR3 |                   | Rev Date: 9/15/2010 |
| RCM Analysis: 6/6/2005                                         | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-44171-111)THE AN/SSR-1, 1A SATTELITE RECEIVING SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SSR-1, 1A SATTELITE RECEIVING SET ASSESSMENT IN ACCORDANCE WITH MRC BCV5 AS FOLLOWS: 1. PERFORM SYSTEM OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44171-113- -AN/USQ-145 JOINT DAMA-MRC N2W3 |              |               | MJC: CEXECICR5 |                   | Rev Date: 9/15/2010 |
| RCM Analysis: 12/11/2006                                        | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (I-44171-113)THE AN/USQ-145 (V) 1 THROUGH 8 JOINT DAMA SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/USQ-145 (V) 1 THROUGH 8 JOINT DAMA SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC N2W3 AS FOLLOWS: 1. PERFORM MATERIAL CONDITION INSPECTION. 2. PERFORM SYSTEM OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: O-44171-115- -EC 71405 AN/USC-38 - ACCOMP |              |               | MJC: CXSAO262 |                   | Rev Date: 8/30/2006 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 6        | Alt No: EC 71405    |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (O-44171-115) EC 71405 (SCD 1405) AN/USC-38(V)9, 10, 11, NESP L03 SOFTWARE, NOT ACCOMPLISHED | ACCOMPLISH EC 71405 (SCD 1405) AN/USC-38(V)9, 10, 11, NESP L03 SOFTWARE, WHICH CORRECTS THE SOFTWARE PROBLEMS IDENTIFIED DURING OPERATIONAL TESTING AND OPERATIONAL USE IN THE FLEET. THESE CORRECTIONS INCREASE RELIABILITY. THESE CHANGES ARE SOFTWARE TROUBLE REPORT FIXES TO THE K31 SOFTWARE FIELDIED UNDER EC 2 R1. POC: GARY FORD, 858-537-0523, GARY.T.FORD@NAVY.MIL. |

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**Task/Abbreviation:** I-44171-119- -AN/USC-38,A(V)9&(V)10-MRC N4Y4**MJC:** OXECI053**Rev Date:** 8/24/2011**RCM Analysis:** 12/11/2006**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 12**Equip/Task:** 1**Matl Cost:****ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-44171-119)THE AN/USC-38(V)9, (V)10 & A(V)9 EHF  
SATELLITE COMMUNICATIONS TERMINAL  
REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/USC-38(V)9, (V)10 & A(V)9 EHF SATELLITE  
COMMUNICATIONS TERMINAL ASSESSMENT IN ACCORDANCE WITH  
MRC N4Y4 AS FOLLOWS: 1. PERFORM MATERIAL INSPECTION. 2.  
PERFORM SYSTEM OPERATIONAL TEST. 3. CONDUCT NAVY EHF  
COMMUNICATIONS CONTROLLER (NECC) OR TIP SYSTEM  
OPERATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: O-44171-129- -FC 70631 AN/WSC-6 - ACCOMP |              |               | MJC: CXSAO440 |                   | Rev Date: 5/27/2008 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: FC 70631    |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                                      | Recommended Solution:                                                                                                                                                                   |
| BASELINE | (O-44171-129) FC 70631(AKA SCD 631) FC6 AN/WSC-6(V)5, 7, ANTENNA XL BEARING HOUSING MOD, NOT ACCOMPLISHED | ACCOMPLISH FC 70631 (AKA SCD 631) FC6 WHICH IMPROVES THE OE-558/WSC AND OE-571/WSC SHF ANTENNA RELIABILITY BY CHANNELING EXCESS GREASE AWAY FROM THE CROSS-LEVEL (XL) MOTOR COMMUTATOR. |



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| Task/Abbreviation: O-44171-146- -EC 70622 AN/WSC-6(V)5 - ACCOMP |              |               | MJC: CXSAO608 |                   | Rev Date: 3/12/2007    |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                        |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: EC 70622 WSC 6 |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                        |

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| Reason:  | Problem Description:                                                                              | Recommended Solution:                                                                                                                                                                                                                                 |
| BASELINE | (O-44171-146) EC 70622 AN/WSC-6(V)5 OIU UPGRADE, SHF, WSC-6/6A(V)5, EC4 OIU LAP, NOT ACCOMPLISHED | ACCOMPLISH EC 70622 AN/WSC-6(V)5 OIU UPGRADE (EQUIVALENT TO SCD 622) WHICH UPGRADES THE SHF SATELLITE COMMUNICATION AN/WSC-6(V)5 OIU LAPTOP COMPUTER TO A MICROSOFT WINDOWS BASED LAPTOP. POC: MARGARET SOLER, 858-537-8575. MARGARET.SOLER@NAVY.MIL. |

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| Task/Abbreviation: O-44171-152- -EC 74539 OE-558 - ACCOMP |              |               | MJC: CXSAO656 |                   | Rev Date: 6/13/2007 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: EC 74539    |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (O-44171-152) EC 74539 OE-558/571 EMI MITIGATION, OE-558/571 EMI MITIGATION, NOT ACCOMPLISHED | ACCOMPLISH EC 74539 OE-558/571 EMI MITIGATION (EQUIVALENT TO SCD 4539) WHICH REDUCES THE EFFECTS OF ELECTROMAGNETIC INTERFERENCE (EMI) BETWEEN THE AN/WSC-6 SHF SATELLITE TERMINAL ANTENNA PEDESTALGROUP AND OTHER ELECTRONICS. THIS EC MODIFIES OE-558 AND OE-571 SHF SATCOM ANTENNAS WITH ELECTROMAGNETIC INTERFERENCE (EMI) MITIGATION SHIELDING. POC: TED LEW, 619-524-7684, TED.LEW@NAVY.MIL OR MARGARET SOLER, 858-537-8575, MARGARET.SOLER@NAVY.MIL |

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| Task/Abbreviation: O-44171-157- -EC 73985 AN/USR-10(V) - ACCOMP |              |               |            | MJC: CXSAO668 | Rev Date: 6/28/2010 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     |            | Qty: 1        | Removal Required:   |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: | ManDays: 0    | Alt No: EC 73985    |
| Referenced Authority:                                           | Repair Pool: |               | MCC: 3     |               |                     |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (O-44171-157) EC 73985 GBS IP SRS USR-10 SW 4.1R, GBS IP SRS USR-10 SW 4.1R, NOT ACCOMPLISHED | ACCOMPLISH EC 73985 GBS IP SRS USR-10 SW 4.1R (EQUIVALENT TO SCD 3985) WHICH PROVIDES FOR THE INSTALLATION OF NEW GBS SOFTWARE VERSION 4.1.R AND SEVERAL NAVY UNIQUE GRAPHICAL USER INTERFACES (GUIS), DELINEATED IN THIS EC. POC: TRAVIS SMITH, 619-437-2684, TRAVIS.R.SMITH@NAVY.MIL OR LEROY TISBY, 858-537-8620, LEROY.TISBY1.CTR@NAVY.MIL |

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| <b>Task/Abbreviation:</b> O-44171-159- -FC 70633 WSC6 - ACCOMP |  |                     |  | <b>MJC:</b> CXSAO690 |  | <b>Rev Date:</b> 6/16/2008 |  |                          |  |                         |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                         |  |
| <b>Lvl of Maint:</b> 1                                         |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 0        |  | <b>Alt No:</b> FC 70633 |  |
| <b>Referenced Authority:</b>                                   |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                         |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                              | <b>Recommended Solution:</b>                                                                                                                          |
| BASELINE       | (O-44171-159) FC 70633 AN/WSC-6/6A(V) 7, OE-558/WSC AND OE-571/WSC SHF, NOT ACCOMPLISHED | ACCOMPLISH FC 70633 (EQUIVALENT TO SCD 633) AN/WSC-6/6A(V) 7 WHICH REPLACE CLAMP RING AND FREEDOME IN ORDER TO MEET SHOCK AND VIBRATION REQUIREMENTS. |

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| Task/Abbreviation: O-44171-162- -EC 75290 EHF FOT SSA - ACCOMP |              |               | MJC: CXSAO731 |                   | Rev Date: 7/16/2007 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: EC 75290    |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (O-44171-162) EC 75290 EHF FOT SSA SURGE LIMITER, NESP USC-38 EC11 SSA SURGE LTR, NOT ACCOMPLISHED | ACCOMPLISH EC 75290 (EQUIVALENT TO SCD 75290) EHF FOT SSA SURGE LIMITER WHICH PROTECTS THE EXTREMELY HIGH FREQUENCY (EHF) FOLLOW ON TERMINAL (FOT) SOLID STATE AMPLIFIERS (SSAS) FROM POWER SURGES BY MODIFYING THE TERMINAL TO HAVE SURGE PROTECTION WITHIN THE CABINET.<br>POC: DANIEL YASTISHOCK, 717-605-1414,<br>DANIEL.YASTISHOCK@NAVY.MIL |

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| Task/Abbreviation: O-44171-171- -EC 75670 AN/USR-10(V)4-ACCOMP |              |               | MJC: CXSAO799 |                   | Rev Date: 9/17/2007 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: EC 75670    |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (O-44171-171) EC 75670 AN/USR-10(V)4 - PEOC4I AN/USR-10(V)4, 5 GBS 1GHz LNB Prototype (SCD 5670), NOT ACCOMPLISHED | ACCOMPLISH EC 75670 AN/USR-10(V)4, PEOC4I AN/USR-10(V)4, 5 GBS 1GHz LNB Prototype (SCD 5670) WHICH THIS NPC SCD IS SUBMITTED FOR PERFORMANCE AT SEA TESTING TO VALIDATE BACKWARD COMPATIBILITY OF ULTRA-HIGH FREQUENCY (UFO) AND WIDEBAND GLOBAL SATELLITE (WGS) WITH GLOBAL BROADCAST SERVICE (GBS) 1 GHZ KA LOW NOISE BLOCK (LNB). THIS CONVERTER UPGRADE TO AN/USR-10(V)4 AND 5 WILL PROVIDE NECESSARY BANDWIDTH TO ACCESS ADDITIONAL TRANSPONDERS PROVIDED BY WGS. CURRENT GBS SHIPBOARD ANTENNA SYSTEMS (SAS) LNBS OPERATE WITHIN LOWER 500 MHZ RANGE OF KA FREQUENCY BAND (20.2-20.7 GHZ). THE SATELLITE BROADCAST MANAGER (SBM) PLANS TO BROADCAST GBS OVER ENTIRE 1 GHZ BANDWIDTH (20.2-21.2 GHZ) POC: TRAVIS SMITH, 619-437-2684, TRAVIS.R.SMITH@NAVY.MIL. |

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| Task/Abbreviation: O-44171-172- -EC 75695 AN/USR-10(V)4-ACCOMP |              |               | MJC: CXSAO800 |                   | Rev Date: 9/17/2007 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: EC 75695    |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (O-44171-172) EC 75695 AN/USR-10(V)4 - PEOC4I AN/USR-10(V)4,5 (EC-11) GBS IP 4.1.t SW UPG (SCD 5695), NOT ACCOMPLISHED | ACCOMPLISH EC 75695 AN/USR-10(V)4, PEOC4I AN/USR-10(V)4,5 (EC-11) GBS IP 4.1.T SW UPG (SCD 5695) WHICH THIS GLOBAL BROADCAST SERVICE (GBS) INTERNET PROTOCOL (IP) SOFTWARE UPDATE TO AN/USR-10 (V)4,5 PROVIDES NECESSARY SOFTWARE AND RELATED INSTALLATION INSTRUCTIONS. THIS VERSION OF SOFTWARE (4.1.T) IMPROVES PRODUCT MANAGEMENT, IMPLEMENTS SECURITY COMPLIANCE. THE SOFTWARE IS COMPLIANT WITH THE GBS JPO BASELINE. THE NPC PROTOTYPE TEST WILL VALIDATE THE COMPATIBILITY OF SOFTWARE VERSION 4.1.T WITH THE EXISTING GBS RECEIVE SUITES IN AN OPERATIONAL ENVIRONMENT. UPON SUCCESSFUL COMPLETION OF THE TESTING, THE NPC WILL BE THE SUPPORTING BASIS FOR A PERMANENT CHANGE. POC: TRAVIS SMITH, 619-437-2684, TRAVIS.R.SMITH@NAVY.MIL. |

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| Task/Abbreviation: K-44171-176- -SHIPALT LHA1-01207K - ACCOMP |              |               | MJC: EXSAK812     |                   | Rev Date: 10/4/2007   |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1            | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 45,000 | ManDays: 60       | Alt No: SALHA 01207 K |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3            |                   |                       |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (K-44171-176) SHIPALT LHA1-01207K, EBEM MODEM FOR WSC-6 VARIANTS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01207K WHICH REMOVE THE EXISTING OBSOLETE CQM-248A MODEMS AND/OR SLM-3650 MODEMS AND INSTALL TWO (2) MD-1366A/U EBEM MODEMS. THE UPGRADE CONSISTS OF MODEM REPLACEMENT, LOADING THE EBEM GUI ON THE SHF BASEBAND LAPTOP, AND PROGRAMMING THE CODE OPERATED SWITCH TO CONTROL THE MODEMS REMOTELY. THE UPGRADE WILL UTILIZE EXISTING POWER, MOD/DEMODO IF, EXTERNAL REFERENCE, DIGITAL DATA, AND REMOTE CONTROL CABLING. |



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| Task/Abbreviation: K-44171-179- -SHIPALT LHA1-70477K - ACCOMP |         |               | MJC: CXSAK365 |            | Rev Date: 11/7/2007 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:   |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 0 | Alt No: SCD 0477    |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3        |            |                     |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (K-44171-179) SHIPALT LHA1-70477K, ADNS AN/USQ-144J(V)4 (SCD 477), NOT ACCOMPLISHED. | ACCOMPLISH SHIPALT LHA1-70477K, ADNS AN/USQ-144J(V)4, (SCD 477). WHICH PROVIDES FOR A STANDARD TECHNICAL APPROACH AND PROCEDURES FOR ROUTING AND TERMINATING OF IP DATA CONNECTIVITY FROM MULTIPLE SHIPBOARD LOCAL AREA NETWORKS (LAN) OPERATING AT DIFFERENT SECURITY LEVELS TO INCLUDE SHORE NETWORKING OPERATING CENTERS. AN/USQ-144J(V)4 IMPROVES ON FIRST-STAGE BY BETTER-ADVANCING QOS, MONITORING CAPABILITY, AND LOAD-BALANCING OVER MULTIPLE RF PATHS. ALSO, AN/USQ-144J(V)4 TAKES ADVANTAGE OF INCREASED SATELLITE BANDWIDTH AVAILABLE IN THE FY06-QTR3 WGS (WIDEBAND GAP-FILLED SATELLITE) PROGRAM. AT A MINIMUM, FORCE-LEVEL SHIPS CAN EXPECT A SIGNIFICANT INCREASE IN THROUGH-PUT. AN/USQ-144J(V)4 PROVIDES THE SAME CAPABILITIES OF THE AN/USQ-144J(V)2 CONFIGURATION WHILE INTEGRATING THE MARINE AIR GROUND TRANSPORT (MAGTF) ROUTER. IN SOME CASES, OLDER CONFIGURATIONS MAY NEED TO BE REMOVED BECAUSE THE ARCHITECTURE CANNOT BE UPGRADED. POC: JOHN KMET, 619-524-3540, JOHN.KMET@NAVY.MIL. |

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| Task/Abbreviation: K-44171-180- -SHIPALT LHA1-75293K - ACCOMP |              |               | MJC: CXSAK366 |                   | Rev Date: 11/7/2007 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: SCD 5293    |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (K-44171-180) SHIPALT LHA1-75293K, PEOC4I ADNS LQOSMAN 4.0 SW EC01 (SCD 5293), NOT ACCOMPLISHED. | ACCOMPLISH SHIPALT LHA1-75293K, PEOC4I ADNS LQOSMAN 4.0 SW EC01, (SCD 5293). WHICH THE AUTOMATED DIGITAL NETWORKING SYSTEM (ADNS) USES THE LOCAL QUALITY OF SERVICE MANAGER (LQOSMAN) SERVER TO CONTROL AND/OR MONITOR THE ADNS ROUTERS, PACKETSHAPERS, AND RF PATHS. IT ALSO ALLOWS THE USER TO MONITOR NETWORK LOADING, PACKET PRIORITIZATION, AND TRAFFIC MANAGEMENT. LQOSMAN VERSION 4.0 IS THE SOFTWARE THAT ALLOWS USERS TO CONFIGURE THE ROUTERS AND PROVIDES THE CONNECTION STATUS, UPTIME, PERCENT UTILIZATION AND PERCENT ERROR OF EACH MONITORED INTERFACE IN NEAR REAL TIME. LQOSMAN IDENTIFIES DEGRADED OR INOPERATIVE NETWORK OR RF CONNECTIONS, AND ASSISTS THE USER IN CORRECTING THE ISSUE. POC: TRAVIS SMITH, 619-437-2684, TRAVIS.R.SMITH@NAVY.MIL. |

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| Task/Abbreviation: K-44171-207- -EC 76748 NESP - ACCOMP |              |               | MJC: EXSAKA82 |                   | Rev Date: 9/6/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: EC 76748   |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3        |                   |                    |

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|----------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (O-44171-207) EC 76748 NESP EHF FOT N10 S/W (EC14), NESP EHF FOT N10 S/W (EC14), NOT ACCOMPLISHED AIT CAPABLE | **AIT INSTALLATION. ACCOMPLISH EC 76748 NESP EHF FOT N10 S/W (EC14) WHICH UPGRADES THE FOLLOW ON TERMINAL (FOT) ANTENNA POSITIONING UNIT (APU) CIRCUIT CARD ASSEMBLY (CCA) TO THE LATEST SOFTWARE VERSION. THIS CHANGE IS APPLICABLE TO ALL SURFACE PLATFORMS WITH AN/USC-38(V)9 FOT SYSTEMS. EHF FOT SOFTWARE N10 CORRECTS VARIOUS SOFTWARE TROUBLE REPORTS (STRS) AND PROVIDES FOR COMMUNICATIONS WITH FUTURE ADVANCED EXTREMELY HIGH FREQUENCY (AEHF) SATELLITES. POC: KARI ATKINS, 858-537-8621, KARI.ATKINS@NAVY.MIL OR CHUCK VINSON, 619-252-9617 OR 619-690-6033, CHARLES.VINSON@NAVY.MIL OR LEROY TISBY, 858-537-8620, LEROY.TISBY1.CTR@NAVY.MIL OR SAM BAKER, 858-537-0429, SAMUEL.BAKER@NAVY.MIL OR FIDELA RAQUEL, 619-524-3292, FIDELA.RAQUEL@NAVY.MIL. |

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|----------------------------------------------------------------|--------------|---------------|--------------|-------------------|--------------------|
| Task/Abbreviation: I-44171-277- -AN/WSC-3(V) SATCOM - MRC N2U7 |              |               | MJC: CXCIDF7 |                   | Rev Date: 9/6/2011 |
| RCM Analysis: 4/1/2010                                         | Scheduled: N | Sit Reqs:     | Qty: 1       | Removal Required: |                    |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:   | ManDays: 1        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3       |                   |                    |

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| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-44171-277)THE AN/WSC-3(V) SATELLITE COMMUNICATIONS (SATCOM) REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/WSC-3(V) SATELLITE COMMUNICATIONS (SATCOM) ASSESSMENT IN ACCORDANCE WITH MRC N2U7 AS FOLLOWS: 1. PERFORM VISUAL AND MATERIAL CONDITION INSPECTION. 2. PERFORM POWER SUPPLY CHECKS. 3. PERFORM TRANSMITTER TEST. 4. PERFORM RECEIVER TEST. 5. PERFORM OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-44181-003- -AN/URQ-23 - MRC DNH5**MJC:** OXECI035**Rev Date:** 7/7/2011**RCM Analysis:** 3/1/2010**Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:** 45**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-44181-003)AN/URQ-23 FREQUENCY STANDARD  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AN/URQ-23( ) FREQUENCY STANDARD  
ASSESSMENT IN ACCORDANCE WITH MRC DNH5 AS FOLLOWS: 1.  
TEST OPERATE FREQUENCY TIME STANDARD AN/URQ-23. 2. TEST  
FREQUENCY TIME STANDARD AUTOMATIC POWER SWITCHOVER  
FUNCTIONS. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8 SERIES.

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| Task/Abbreviation: I-44181-006- -AM-2123( ) FREQ AMP - MRC DLB9 |              |               | MJC: CXECI239 |                   | Rev Date: 10/5/2010 |
| RCM Analysis: 2/7/2005                                          | Scheduled: N | Sit Reqs:     | Qty: 9        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-44181-006)THE AM-2123( ) RADIO FREQUENCY AMPLIFIER REQUIRES ASSESSMENT. | ACCOMPLISH THE AM-2123( ) RADIO FREQUENCY AMPLIFIER ASSESSMENT IN ACCORDANCE WITH MRC DLB9 AS FOLLOWS: 1. MEASURE AM-2123( )(V)/U AMPLIFIER CHANNEL OUTPUTS. 2. TEST AM-2123( )(V)/U AMPLIFIER AUTOMATIC POWER SWITCHOVER FUNCTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-44181-007- -AN/SSQ-88( ) QMS - MRC DJP0**MJC:** CXECI240**Rev Date:** 7/23/2005**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-44181-007)THE AN/SSQ-88( ) QUALITY  
MONITORING SET REQUIRES ASSESSMENT.

ACCOMPLISH THE AN/SSQ-88( ) QUALITY MONITORING SET ASSESSMENT IN ACCORDANCE WITH MRC DJP0 AS FOLLOWS: 1. TEST FUNCTIONAL OPERATION OF TELEGRAPH TEST SET (DT-2002-08). 2. TEST FUNCTIONAL OPERATION OF OSCILLOSCOPE (HP 180D). 3. TEST FUNCTIONAL OPERATION OF OSCILLOSCOPE (HP 1980B). 4. TEST FUNCTIONAL OPERATION OF OSCILLOSCOPE (HP 54200A). 5. CALIBRATE SPECTRUM ANALYZER (HP 8568A/B). 6. TEST FUNCTIONAL OPERATION OF TRACKING GENERATOR (HP 8444A). 7. MEASURE AC VOLTMETER (HP 400EL) WIDEBAND OUTPUT DC LEVEL. 8. TEST FUNCTIONAL OPERATION OF SIGNAL GENERATOR (HP 8640B). 9. TEST FUNCTIONAL OPERATION AND CALIBRATION OF SPECTRUM ANALYZER (HP 71100C). 10. TEST FUNCTIONAL OPERATION OF DIGITAL MULTIMETER (HP 34401A). 11. TEST FUNCTIONAL OPERATION OF SIGNAL GENERATOR (HP 8643A). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-44181-008- -AN/SSQ-88( ) QMS - MRC DJQ2 |              |               | MJC: CXECI241 |                   | Rev Date: 7/23/2005 |
| RCM Analysis: 2/7/2005                                       | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-44181-008)THE AN/SSQ-88( ) QUALITY MONITORING SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SSQ-88( ) QUALITY MONITORING SET ASSESSMENT IN ACCORDANCE WITH MRC DJQ2 AS FOLLOWS: 1. ANALYZE AN/SSQ-88, 88A, 88B ANTENNA SYSTEM. 2. ANALYZE AN/SSQ-88C ANTENNA SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: K-44191-026- -SHIPALT LHA1-01035K - ACCOMP |         |               | MJC: EXSAK600    |             | Rev Date: 11/10/2005  |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:        | Qty: 1      | Removal Required:     |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 4,700 | ManDays: 14 | Alt No: SALHA 01035 K |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3           |             |                       |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                |
| BASELINE | (K-44191-26) SHIPALT LHA1-O1035K, NAVMACS II/SMS INSTALL | ACCOMPLISH SHIPALT LHA1-O1035K WHICH INSTALLS THE AN/SYQ-26(V)6 NAVMACS II/SMS (NMII/SMS) WHICH PROVIDES THE TACTICAL USER WITH SHIP-TO-SHORE AND INTER/INTRA BATTLE GROUP MESSAGING CAPABILITIES VIA LEGACY (AUTODIN) STOVEPIPE CIRCUITS AND HIGH SPEED GLOBAL MESSAGING VIA IT-21 INTERNET PROTOCOL (IP) NETWORKS. |

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| <b>Task/Abbreviation:</b> O-44191-031- -SWD JSIPS-N 5.0 - ACCOMP |  |                     |  | <b>MJC:</b> CXSAO253 |  | <b>Rev Date:</b> 6/1/2006 |  |                          |  |                               |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> |  |                               |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> SWD JSIPS-N5.0 |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                               |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                               | <b>Recommended Solution:</b>                                                                                                                                                                                                     |
| BASELINE       | (O-44191-31) SWD JSIPS-N 5.0 SW UPGRADE, NOT ACCOMPLISHED | ACCOMPLISH SWD JSIPS-N 5.0 AN/SYQ-23 SW UPGRADE, WHICH UPGRADE SHIPBOARD PTW AND PROVIDE ACCELERATED STEREO WORKSTATION CAPABILITIES, SPF INTERFACE UPGRADE, SOURCE SELECTION ENHANCEMENTS, AND INTEGRATION OF THE TPG INTO PTW. |

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| Task/Abbreviation: I-44611-002- -TSEC/KY-58 - MRC A1C0 |  |              | MJC: EXECICZ9 |               | Rev Date: 11/4/2010 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              |               | Repair Pool:  |                     |            | MCC: 3            |            |         |  |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-44611-002)THE TSEC/KY-58 REQUIRES ASSESSMENT. | ACCOMPLISH THE TSEC/KY-58 ASSESSMENT IN ACCORDANCE WITH MRC A1C0 AS FOLLOWS: 1. INSPECT TSEC/KY-58, FILL CONNECTOR, AND PERFORM BATTERY TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44611-003- -TSEC/KY-58 - MRC A1C1 |  |              | MJC: EXECIDA2 |               | Rev Date: 11/4/2010 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-44611-003)THE TSEC/KY-58 REQUIRES ASSESSMENT. | ACCOMPLISH THE TSEC/KY-58 ASSESSMENT IN ACCORDANCE WITH MRC A1C1 AS FOLLOWS: 1. PERFORM IMPEDANCE CHECKS ON HYX-58 INPUT POWER FILTERS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-44611-004- -TSEC/KY-58 - MRC A1C2**MJC:** EXECIDA3**Rev Date:** 11/4/2010**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-44611-004)THE TSEC/KY-58 REQUIRES  
ASSESSMENT.ACCOMPLISH THE TSEC/KY-58 ASSESSMENT IN ACCORDANCE WITH  
MRC A1C2 AS FOLLOWS: 1. PERFORM KY-58/HYX-58 OPERATIONAL  
TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-44613-002- -TSEC/KG-84, 84A, 84C- MRC A1A9 |  |              | MJC: CXECIAG0 |               | Rev Date: 9/15/2010 |            |                   |            |         |  |
| RCM Analysis: 12/4/2006                                         |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                 |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                           |  |              |               | Repair Pool:  |                     |            | MCC: 3            |            |         |  |

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|----------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-44613-002)THE TSEC/KG-84, TSEC/KG-84A, TSEC/KG-84C REQUIRES ASSESSMENT. | ACCOMPLISH THE TSEC/KG-84, TSEC/KG-84A, TSEC/KG-84C ASSESSMENT IN ACCORDANCE WITH MRC A1A9 AS FOLLOWS: 1. INSPECT AND TEST FILL CONNECTOR. 2. TEST BATTERY VOLTAGE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44613-006- -TSEC/KWR-46 - MRC A2E9 |  |              | MJC: CXECIC11 |               | Rev Date: 11/5/2010 |            |                   |            |         |  |
| RCM Analysis: 12/4/2006                                 |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 9     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                         |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                   |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                              | Recommended Solution:                                                                                                                                                                                                                                                                         |
| BASELINE | (I-44613-006)THE TSEC/KWR-46 REQUIRES ASSESSMENT. | ACCOMPLISH THE TSEC/KWR-46 ASSESSMENT IN ACCORDANCE WITH MRC A2E9 AS FOLLOWS: 1. TEST BATTERY VOLTAGE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44613-008- -TSEC/KWR-46 - MRC A2F1 |  |              | MJC: CEXECIC13 |               | Rev Date: 11/5/2010 |            |                   |            |         |  |
| RCM Analysis: 12/4/2006                                 |  | Scheduled: N |                | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                         |  | Freq: 0      |                | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                   |  |              | Repair Pool:   |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                              | Recommended Solution:                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-44613-008)THE TSEC/KWR-46 REQUIRES ASSESSMENT. | ACCOMPLISH THE TSEC/KWR-46 ASSESSMENT IN ACCORDANCE WITH MRC A2F1 AS FOLLOWS: 1. TEST OPERATION OF "N" (BROADCAST RECEIVE) GENSER SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: O-44613-009- -FC 71696 UYQ-95 FC01 - ACCOMP |              |               | MJC: CXSAO216 |                   | Rev Date: 8/11/2006 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: FC 71696    |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (O-44613-9) FC 71696 AN/UYQ-95(V)3 FC-01, EKMS PHASE 5 HARDWARE UPGD, NOT ACCOMPLISHED. | ACCOMPLISH FC 71696 AN/UYQ-95(V)3 FC-01 WHICH REFRESHES THE EKMS SYSTEM HARDWARE. THE NEW CONFIGURATION WILL ALLOW MORE ROBUST PERFORMANCE OF THE AN/UYQ-95(V)3 EKMS PHASE 5 BASELINE AND THEREBY IMPROVE PLATFORM AND COMMUNICATIONS PERFORMANCE. POC: JIM RICKARD, 619-508-1132, JAMES.RICKARD@NAVY.MIL OR BARBARA EDWARDS, 858-537-8774, BARBARA.EDWARDS@NAVY.MIL OR VALERIE CHAPMAN, 858-537-0567, VALERIE.CHAPMAN@NAVY.MIL |

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|-------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-44614-011- -AN/USC-43 ANDVT - MRC A1B8 |              |               | MJC: CXECIAG4 |                   | Rev Date: 10/5/2010 |
| RCM Analysis: 7/12/2004                                     | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-44614-011)THE AN/USC-43 ADVANCED NARROWBAND DIGITAL VOICE TERMINAL (ANDVT) REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/USC-43 ADVANCED NARROWBAND DIGITAL VOICE TERMINAL (ANDVT) ASSESSMENT IN ACCORDANCE WITH MRC A1B8 AS FOLLOWS: 1. PERFORM AN/USC-43 OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-44614-012- -AN/USC-43 ANDVT - MRC A1B9 |  |              | MJC: CXECIAG5 |               | Rev Date: 10/5/2010 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                     |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                       |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-44614-012)THE AN/USC-43 ADVANCED NARROWBAND DIGITAL VOICE TERMINAL (ANDVT) REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/USC-43 ADVANCED NARROWBAND DIGITAL VOICE TERMINAL (ANDVT) ASSESSMENT IN ACCORDANCE WITH MRC A1B9 AS FOLLOWS: 1. PERFORM PHYSICAL INSPECTION OF ADVANCED NARROWBAND DIGITAL VOICE TERMINAL (ANDVT) SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                               |  |              |  |               |  |                      |  |                   |  |         |  |
|---------------------------------------------------------------|--|--------------|--|---------------|--|----------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: I-44614-018- -SA-2112 SW MATRIX - MRC FH76 |  |              |  | MJC: CXECIAH1 |  | Rev Date: 10/27/2010 |  |                   |  |         |  |
| RCM Analysis: 10/23/2006                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1               |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:           |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                      |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-44614-018)THE SA-2112(V)3,4,5,6,8/STQ SWITCHING MATRIX REQUIRES ASSESSMENT. | ACCOMPLISH THE SA-2112(V)3,4,5,6,8/STQ SWITCHING MATRIX ASSESSMENT IN ACCORDANCE WITH MRC FH76 AS FOLLOWS: 1. CYCLE SVS BATTERY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------|---------|---------------|---------------|------------|------------------------|-------------------|
| Task/Abbreviation: O-44614-020- -FC 2 AM-3729/SR - ACCOMP |         |               | MJC: EXSAO071 |            | Rev Date: 6/24/2005    |                   |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:     |            | Qty: 1                 | Removal Required: |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No: FC 2 AM-3729/S |                   |
| Referenced Authority:                                     |         | Repair Pool:  |               | MCC: 3     |                        |                   |

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|----------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (O-44614-20) FC 2 AM-3729/SR, PROPER LINE LOADING W/SAS, NOT ACCOMPLISHED | ACCOMPLISH FC 2 AM-3729/SR WHICH IMPLEMENTS PROPER LINE LOADING WHEN USED WITH SINGLE AUDIO SYSTEM (SAS) BY DISCONNECT WIRING TO THE INTERNAL LOAD RESISTOR AND ACHIEVE PROPER LINE LOADING WHEN CHANNEL 1 AND CHANNEL 2 INPUTS ARE PARALLELED AT TB-1 FOR SAS SINGLE CHANNEL APPLICATIONS. |

|                                                         |         |               |               |            |                       |
|---------------------------------------------------------|---------|---------------|---------------|------------|-----------------------|
| Task/Abbreviation: O-44614-021- -FC 3 TA-970/U - ACCOMP |         |               | MJC: EXSAO073 |            | Rev Date: 6/24/2005   |
| RCM Analysis:                                           |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:     |
| Lvl of Maint: 1                                         | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No: FC 3 TA-970/U |
| Referenced Authority:                                   |         | Repair Pool:  | MCC: 3        |            |                       |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                              |
| BASELINE | (O-44614-21) FC 3 TA-970/U, MOD FOR DARKENED SHIP AREAS, NOT ACCOMPLISHED | ACCOMPLISH FC 3 TA-970/U WHICH REDUCES EXCESSIVE BRIGHTNESS EMITTED BY PHONE SET FRONT PANEL LIGHTS OF UNITS LOCATED IN AREAS SUBJECT TO DARKENED SHIP CONDITIONS. |

|                                                              |              |               |               |                   |                    |
|--------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-45011-013- -SB-4229 RADAR SWBD-MRC N1B5 |              |               | MJC: CXECI349 |                   | Rev Date: 3/5/2010 |
| RCM Analysis: 6/7/2004                                       | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                    |

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|----------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-45011-013)THE SB-4229/SP RADAR SIGNAL DISTRIBUTION GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE SB-4229/SP RADAR SIGNAL DISTRIBUTION GROUP ASSESSMENT IN ACCORDANCE WITH MRC N1B5 AS FOLLOWS: 1. PERFORM RADAR SIGNAL DISTRIBUTION SWITCHBOARD INSPECTION AND OPERATIONAL CHECKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-45011-014- -AM-7115, 6/UP AMP - MRC N1B6 |              |               | MJC: CXECI350 |                   | Rev Date: 3/5/2010 |
| RCM Analysis: 6/7/2004                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                    |

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|----------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-45011-014)THE AM-7115, 6/UP VIDEO/TRIGGER AMPLIFIER REQUIRES ASSESSMENT. | ACCOMPLISH THE AM-7115, 6/UP VIDEO/TRIGGER AMPLIFIER ASSESSMENT IN ACCORDANCE WITH MRC N1B6 AS FOLLOWS: 1. PERFORM ADDITIONAL VIDEO/TRIGGER AMPLIFIER INSPECTION AND OPERATIONAL CHECKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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|------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-45011-017- -AN/SPA-25G IND - MRC EKN1 |              |               | MJC: CXECI353 |                   | Rev Date: 3/5/2010 |
| RCM Analysis: 2/7/2005                                     | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                            | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-45011-017)THE AN/SPA-25G INDICATOR GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPA-25G INDICATOR GROUP ASSESSMENT IN ACCORDANCE WITH MRC EKN1 AS FOLLOWS: 1. TEST OPERATE AN/SPA-25G INDICATOR GROUP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-45011-018- -AN/SPA-25G IND - MRC EKN2**MJC:** CXECI354**Rev Date:** 3/5/2010**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-45011-018)THE AN/SPA-25G INDICATOR GROUP  
REQUIRES ASSESSMENT.ACCOMPLISH THE AN/SPA-25G INDICATOR GROUP ASSESSMENT IN  
ACCORDANCE WITH MRC EKN2 AS FOLLOWS: 1. TEST AN/SPA-25G  
INDICATOR GROUP OPERATING PARAMETERS. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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|--------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-45011-022- -CV-3989/SP - MRC N1B8 |              |               | MJC: CXECI358 |                   | Rev Date: 3/5/2010 |
| RCM Analysis: 6/7/2004                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (I-45011-022)THE CV-3989/SP SIGNAL DATA CONVERTER GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE CV-3989/SP SIGNAL DATA CONVERTER GROUP ASSESSMENT IN ACCORDANCE WITH MRC N1B8 AS FOLLOWS: 1. INSPECT CV-3989/SP DATA CONVERTER AND PERFORM OPERATIONAL CHECK. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: I-45011-024- -AN/SPA-25G IND - MRC N1B9 |              |               | MJC: CEXECIBW4 |                   | Rev Date: 3/5/2010 |
| RCM Analysis: 2/7/2005                                     | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 3                                            | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                    |

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|----------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-45011-024)THE AN/SPA-25G INDICATOR GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPA-25G INDICATOR GROUP ASSESSMENT IN ACCORDANCE WITH MRC N1B9 AS FOLLOWS: 1. INSPECT AN/SPA-25G INDICATOR GROUP AND PERFORM OPERATIONAL CHECKS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-45011-025- -CV-3989(V)1/SP - MRC N1B7**MJC:** CXECICM0**Rev Date:** 3/5/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-45011-025)THE CV-3989(V)1/SP CONVERTER GROUP REQUIRES ASSESSMENT.

ACCOMPLISH THE CV-3989(V)1/SP CONVERTER GROUP ASSESSMENT IN ACCORDANCE WITH MRC N1B7 AS FOLLOWS: 1. PERFORM INSPECTION AND OPERATIONAL CHECK OF CV-3989(V)1/SP CONVERTER GROUP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|-----------------------------------------------------------------|---------|---------------|------------------|-------------|----------------------|
| Task/Abbreviation: Q-45167-002- -AN/SPS-67(V)() RDR SET-RPR/TST |         |               | MJC: CXECQ037    |             | Rev Date: 11/25/2008 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:        | Qty: 1      | Removal Required:    |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 30 | Alt No:              |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3           |             |                      |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                               |
| BASELINE | (Q-45167-002)RADAR SET REQUIRES REPAIR | REPAIR THE AN/SPS-67( ) RADAR SET (LESS ANTENNA AND PEDESTAL) PER CONDITION ASSESSMENT RECOMMENDATIONS. PROVE SATISFACTORY OPERATION BY APPROPRIATE STAGE OF COMBAT SYSTEM TESTING. |

|                                                                     |  |                                        |  |                       |  |                                                                                   |  |                          |  |                |  |
|---------------------------------------------------------------------|--|----------------------------------------|--|-----------------------|--|-----------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-45167-006- -AN/SPS-67(V)() RDR WG - RPR |  |                                        |  | <b>MJC:</b> CEXECQ099 |  | <b>Rev Date:</b> 11/25/2008                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>      |  | <b>Qty:</b> 1                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1  |  | <b>Matl Cost:</b> 360                                                             |  | <b>ManDays:</b> 8        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                        |  | <b>Repair Pool:</b>   |  |                                                                                   |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>            |  |                       |  | <b>Recommended Solution:</b>                                                      |  |                          |  |                |  |
| BASELINE                                                            |  | (Q-45167-006)WAVEGUIDE REQUIRES REPAIR |  |                       |  | REPAIR THE AN/SPS-67( ) RADAR WAVEGUIDE PER CONDITION ASSESSMENT RECOMMENDATIONS. |  |                          |  |                |  |

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**Task/Abbreviation:** I-45167-007- -AN/SPS-67(V)1 - MRC N1P3**MJC:** EXECIB50**Rev Date:** 12/29/2009**RCM Analysis:** 10/23/2006**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-45167-007)THE AN/SPS-67(V)1 SURFACE SEARCH  
RADAR SYSTEM REQUIRES ASSESSMENT.ACCOMPLISH THE AN/SPS-67(V)1 SURFACE SEARCH RADAR SYSTEM  
ASSESSMENT IN ACCORDANCE WITH MRC N1P3 AS FOLLOWS: 1.  
INSPECT AS-936( )/SPS-10B ANTENNA SYSTEM. 2. INSPECT  
AN/SPS-67(V)1 RADAR UNITS. 3. PERFORM AN/SPS-67(V)1  
OPERATIONAL TESTS. 4. TEST AN/SPS-67(V)1 OPERATOR  
CONTROLS. 5. MEASURE AN/SPS-67(V)( ) OUTPUT POWER AND  
VSWR. 6. MEASURE AN/SPS-67(V)( ) RECEIVER MDS. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.



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| Task/Abbreviation: Q-45173-004- -AN/SPS-73 ANT - REPL/TST |              |               | MJC: EXECQBC0    |                   | Rev Date: 5/7/2003 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 60     | Equip/Task: 1 | Matl Cost: 8,500 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-45173-004)RADAR ANTENNA AND PEDESTAL REQUIRES REPLACEMENT | CONTACT RADAR RESTORATION PROGRAM OFFICE (PEO/IWS) GARY MASON AT (202) 781-1194 OR (812) 854-3356 TO COORDINATE REPLACEMENT OF AN/SPS-73( ) RADAR ANTENNA AND PEDESTAL. PROVIDE CRANE AND RIGGING SERVICES TO REMOVE EXISTING AND INSTALL REPLACEMENT RADAR ANTENNA AND PEDESTAL. NOTE: CHANGE OUT OF ANTENNA AND PEDESTAL MUST BE ACCOMPLISHED WITH COORDINATION OF THE LOCAL REGIONAL MAINTENANCE CENTER (RMC) AND IS NOT TO BE ACCOMPLISHED DURING SHIPYARD AVAILABILITIES. |

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|--------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|---------------------|
| Task/Abbreviation: Q-45173-005- -AN/SPS-73 RDR SET - RPR/TST |                                        |                                                                                                                                                                                     | MJC: EXECQBC1    |             | Rev Date: 8/22/2002 |
| RCM Analysis:                                                |                                        | Scheduled: N                                                                                                                                                                        | Sit Reqs:        | Qty: 1      | Removal Required:   |
| Lvl of Maint: 1                                              | Freq: 0                                | Equip/Task: 1                                                                                                                                                                       | Matl Cost: 5,000 | ManDays: 30 | Alt No:             |
| Referenced Authority:                                        |                                        | Repair Pool:                                                                                                                                                                        | MCC: 2           |             |                     |
| Reason:                                                      | Problem Description:                   | Recommended Solution:                                                                                                                                                               |                  |             |                     |
| BASELINE                                                     | (Q-45173-005)RADAR SET REQUIRES REPAIR | REPAIR THE AN/SPS-73( ) RADAR SET (LESS ANTENNA) PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. ACCOMPLISH AN<br>OPERATIONAL TEST IN ACCORDANCE WITH APPLICABLE TECHNICAL<br>MANUALS. |                  |             |                     |

|                                                            |  |              |               |               |                      |            |                   |            |         |  |
|------------------------------------------------------------|--|--------------|---------------|---------------|----------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-45173-014- -AN/SPS-73(V)12 - MRC FTJU |  |              | MJC: EXECIB60 |               | Rev Date: 12/29/2009 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                                   |  | Scheduled: N |               | Sit Reqs:     |                      | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                            |  | Freq: 0      |               | Equip/Task: 1 |                      | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                      |  |              | Repair Pool:  |               |                      | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-45173-014)THE NAVIGATION RADAR REQUIRES ASSESSMENT. | ACCOMPLISH THE NAVIGATION RADAR ASSESSMENT IN ACCORDANCE WITH MRC FTJU AS FOLLOWS: 1. TEST AN/SPS-73(V)12 SYSTEM PERFORMANCE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|----------------------------------------------------------|--|--------------|---------------|---------------|----------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-45173-015- -AN/SPS-73(V) - MRC FJG7 |  |              | MJC: EXECIB61 |               | Rev Date: 12/29/2009 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                                 |  | Scheduled: N |               | Sit Reqs:     |                      | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                          |  | Freq: 0      |               | Equip/Task: 1 |                      | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool:  |               |                      | MCC: 3     |                   |            |         |  |

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|----------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-45173-015)THE SURFACE SEARCH RADAR REQUIRES ASSESSMENT. | ACCOMPLISH THE SURFACE SEARCH RADAR ASSESSMENT IN ACCORDANCE WITH MRC FJG7 AS FOLLOWS: 1. TEST AN/SPS-73(V)12 UPS BATTERY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|----------------------------------------------------------------|-------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------|-------------------|
| Task/Abbreviation: Q-45240-002- -AN/SPS-40E ANT/PED - REPL     |                                                                         |               | MJC: CXECQ038                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             | Rev Date: 11/25/2008 |                   |
| RCM Analysis:                                                  |                                                                         | Scheduled: N  | Sit Reqs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             | Qty: 1               | Removal Required: |
| Lvl of Maint: 1                                                | Freq: 42                                                                | Equip/Task: 1 | Matl Cost: 1,125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ManDays: 25 | Alt No:              |                   |
| Referenced Authority:                                          |                                                                         | Repair Pool:  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCC: 4      |                      |                   |
| FLEET REQUIREMENTS R 261650Z JUNE 06 PEO IWS GC:2C0040,MA:2200 |                                                                         |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                      |                   |
| Reason:                                                        | Problem Description:                                                    |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |                      |                   |
| BASELINE                                                       | (Q-45240-002)AN/SPS-40E RADAR ANTENNA AND PEDESTAL REQUIRES REPLACEMENT |               | CONTACT RADAR RESTORATION PROGRAM OFFICE (PEO/IWS) TO COORDINATE REPLACEMENT OF AN/SPS-40E RADAR ANTENNA AND PEDESTAL. PRIOR TO REMOVAL OF ANY TRANSMISSION LINE OR ANTENNA AND PEDESTAL, ACCOMPLISH SWEPT VSWR AND INSERTION LOSS TESTS OF SHIPBOARD WAVEGUIDE. PROVIDE CRANE AND RIGGING SERVICES TO REMOVE EXISTING AND INSTALL REPLACEMENT RADAR ANTENNA AND PEDESTAL. NOTE: CHANGE OUT OF ANTENNA AND PEDESTAL MUST BE ACCOMPLISHED WITH COORDINATION OF THE LOCAL REGIONAL MAINTENANCE CENTER (RMC) AND IS NOT TO BE ACCOMPLISHED DURING SHIPYARD AVAILABILITIES. |             |                      |                   |

|                                                              |  |              |  |               |  |                  |  |                   |  |         |  |
|--------------------------------------------------------------|--|--------------|--|---------------|--|------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-45240-004- -AN/SPS-40 RDR SET - RPR/TST |  |              |  | MJC: CXECQ039 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,800 |  | ManDays: 40       |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                  |  | MCC: 4            |  |         |  |

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|----------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                               |
| BASELINE | (Q-45240-004)RADAR SET REQUIRES REPAIR | REPAIR THE AN/SPS-40( ) RADAR SET (LESS ANTENNA AND PEDESTAL) PER CONDITION ASSESSMENT RECOMMENDATIONS. PROVE SATISFACTORY OPERATION BY APPROPRIATE STAGE OF COMBAT SYSTEM TESTING. |

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| Task/Abbreviation: Q-45240-006- -AN/SPS-40 RDR WG - RPR |  |                                        |  | MJC: CXECQ113 |  | Rev Date: 9/24/1999                                                               |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 1                                                                            |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 360                                                                    |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                   |  |                                        |  | Repair Pool:  |  |                                                                                   |  | MCC: 4            |  |         |  |
| Reason:                                                 |  | Problem Description:                   |  |               |  | Recommended Solution:                                                             |  |                   |  |         |  |
| BASELINE                                                |  | (Q-45240-006)WAVEGUIDE REQUIRES REPAIR |  |               |  | REPAIR THE AN/SPS-40( ) RADAR WAVEGUIDE PER CONDITION ASSESSMENT RECOMMENDATIONS. |  |                   |  |         |  |

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| Task/Abbreviation: I-45240-007- -AN/SPS-40E - MRC ELT0 |  |              | MJC: EXECIB62 |               | Rev Date: 7/21/2010 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | THE AN/SPS-40E AIR SEARCH RADAR SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET ASSESSMENT IN ACCORDANCE WITH MRC ELT0 AS FOLLOWS: 1. TEST UNIT 28 PREAMPLIFIER MODULE AUTOMATIC SWITCHOVER. 2. TEST UNIT 28 40 V POWER SUPPLY AUTOMATIC SWITCHOVER. 3. TEST UNIT 29 40 V POWER SUPPLY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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**Task/Abbreviation:** I-45240-008- -AN/SPS-40E - MRC ELT1**MJC:** EXECIB63**Rev Date:** 7/21/2010**RCM Analysis:** 10/23/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**THE AN/SPS-40E AIR SEARCH RADAR SET  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET  
ASSESSMENT IN ACCORDANCE WITH MRC ELT1 AS FOLLOWS: 1.  
PERFORM PREAMPLIFIER AUTOMATIC LEVEL CONTROL (ALC)  
MANUAL TEST. 2. PERFORM PREDRIVER ALC MANUAL TEST. 3.  
PERFORM DRIVE ALC MANUAL TEST. REPORT CONDITIONS FOUND  
TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE  
IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-45240-009- -AN/SPS-40E - MRC ELT2**MJC:** EXECIB64**Rev Date:** 7/21/2010**RCM Analysis:** 10/23/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**THE AN/SPS-40E AIR SEARCH RADAR SET  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET  
ASSESSMENT IN ACCORDANCE WITH MRC ELT2 AS FOLLOWS: 1.  
PERFORM UNIT 28 RF MODULE BITE TEST. 2. PERFORM UNIT 29 RF  
MODULE BITE TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-45240-010- -AN/SPS-40E - MRC ELT5 |  |              | MJC: EXECIB65 |               | Rev Date: 7/21/2010 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              |               | Repair Pool:  |                     |            | MCC: 3            |            |         |  |

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|----------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                               |
| BASELINE | THE AN/SPS-40E AIR SEARCH RADAR SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET ASSESSMENT IN ACCORDANCE WITH MRC ELT5 AS FOLLOWS: 1. MEASURE RECEIVER VIDEO AND NOISE LEVEL. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-45240-011- -AN/SPS-40E - MRC ELT6 |  |              | MJC: EXECIB66 |               | Rev Date: 7/21/2010 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | THE AN/SPS-40E AIR SEARCH RADAR SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET ASSESSMENT IN ACCORDANCE WITH MRC ELT6 AS FOLLOWS: 1. MEASURE DUPLEXER RECOVERY TIME. 2. MEASURE DUPLEXER LEAKAGE POWER. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-45240-012- -AN/SPS-40E - MRC ELT7 |  |              | MJC: EXECIB67 |               | Rev Date: 7/21/2010 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                             |
| BASELINE | THE AN/SPS-40E AIR SEARCH RADAR SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AAN/SPS-40E AIR SEARCH RADAR SET ASSESSMENT IN ACCORDANCE WITH MRC ELT7 AS FOLLOWS: 1. PERFORM RECEIVER SIGNATURE ANALYSIS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-45240-013- -AN/SPS-40E - MRC ELT8 |  |              | MJC: EXECIB68 |               | Rev Date: 7/21/2010 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                 |
| BASELINE | THE AIR SEARCH RADAR REQUIRES ASSESSMENT. | ACCOMPLISH THE AIR SEARCH RADAR ASSESSMENT IN ACCORDANCE WITH MRC ELT8 AS FOLLOWS: 1. TEST CANCELLATION RATIO. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-45240-014- -AN/SPS-40E - MRC ELU0**MJC:** EXECIB69**Rev Date:** 7/21/2010**RCM Analysis:** 10/23/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

THE AN/SPS-40E AIR SEARCH RADAR SET  
REQUIRES ASSESSMENT.ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET  
ASSESSMENT IN ACCORDANCE WITH MRC ELU0 AS FOLLOWS: 1.  
TEST TRANSMITTER WATER COOLING SYSTEM. 2. TEST INDICATORS  
AND MONITORS. 3. TEST TRANSMITTER PREAMP, PREDRIVE, AND  
DRIVE OUTPUT POWER. 4. TEST TRANSMITTER OUTPUT POWER. 5.  
TEST MTI OPERATION AND RADAR VIDEO DISPLAY/DISTRIBUTION.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-45240-015- -AN/SPS-40E - MRC ELU1**MJC:** EXECIB70**Rev Date:** 7/21/2010**RCM Analysis:** 10/23/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**THE AN/SPS-40E AIR SEARCH RADAR SET  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET  
ASSESSMENT IN ACCORDANCE WITH MRC ELU1 AS FOLLOWS: 1.  
TEST DRIVER AMPLIFIER UNIT 28 VSWR OVERLOAD AND  
AUTORESET CIRCUITS. 2. TEST POWER AMPLIFIER UNIT 29 VSWR  
OVERLOAD AND AUTORESET CIRCUITS. REPORT CONDITIONS  
FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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|--------------------------------------------------------|--|--------------|---------------|---------------|---------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-45240-016- -AN/SPS-40E - MRC ELU4 |  |              | MJC: EXECIB71 |               | Rev Date: 7/21/2010 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                            |
| BASELINE | THE AN/SPS-40E AIR SEARCH RADAR SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET ASSESSMENT IN ACCORDANCE WITH MRC ELU4 AS FOLLOWS: 1. TEST CYCLING TIME OF AIR COMPRESSOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-45240-017- -AN/SPS-40E - MRC ELU5**MJC:** EXECIB72**Rev Date:** 7/21/2010**RCM Analysis:** 10/23/2007**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**THE AN/SPS-40E AIR SEARCH RADAR  
SETREQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET  
ASSESSMENT IN ACCORDANCE WITH MRC ELU5 AS FOLLOWS: 1.  
CLEAN AND INSPECT RADAR SET. 2. INSPECT RADAR  
TRANSMISSION LINE. REGIONAL MAINTENANCE ACTIVITIES  
CONDUCTING ASSESSMENTS PERFORM ASSESS STEPS ONLY (I.E.  
NO CLEANING, NO SERVICING, NO LUBRICATING, ETC.). REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-45240-019- -AN/SPS-40E - MRC ELU9**MJC:** EXECIB74**Rev Date:** 7/21/2010**RCM Analysis:** 10/23/2007**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**THE AN/SPS-40E AIR SEARCH RADAR SET  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET  
ASSESSMENT IN ACCORDANCE WITH MRC ELU9 AS FOLLOWS: 1.  
TEST UNITS 1, 5, 7, 22, AND 24 CABINET INTERLOCKS. 2. TEST UNITS  
28 AND 29 CABINET INTERLOCKS. 3. TEST OVERVOLTAGE  
PROTECTION CIRCUIT IN UNIT 22. REPORT CONDITIONS FOUND TO  
SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN  
THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|--------------------------------------------------------|--|--------------|---------------|---------------|---------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-45240-020- -AN/SPS-40E - MRC ELV1 |  |              | MJC: EXECIB75 |               | Rev Date: 7/21/2010 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                             |
| BASELINE | THE AN/SPS-40E AIR SEARCH RADAR SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET ASSESSMENT IN ACCORDANCE WITH MRC ELV1 AS FOLLOWS: 1. MEASURE RECEIVER MDS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-45240-021- -AN/SPS-40E - MRC EUV9**MJC:** EXECIB76**Rev Date:** 7/21/2010**RCM Analysis:** 10/23/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**THE AN/SPS-40E AIR SEARCH RADAR SET  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AN/SPS-40E AIR SEARCH RADAR SET  
ASSESSMENT IN ACCORDANCE WITH MRC EUV9 AS FOLLOWS: 1.  
MEASURE POWER OUTPUT AT UNIT 29. 2. MEASURE VSWR. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-45240-022- -AN/SPS-40E - MRC ELU6**MJC:** CXECIC18**Rev Date:** 7/21/2010**RCM Analysis:** 10/23/2006**Scheduled:** N**Sit Reqs:****Qty:** 3**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**THE AN/SPS-40E RADAR SET REQUIRES  
ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AN/SPS-40E RADAR SET ASSESSMENT IN  
ACCORDANCE WITH MRC ELU6 AS FOLLOWS: 1. LUBRICATE  
TURNABLE SEALS. 2. INSPECT AND LUBRICATE ANTENNA STOW  
PIN. 3. LUBRICATE BULLGEAR BEARING AND AZIMUTH BEARING  
GEAR. 4. INSPECT AZIMUTH DRIVE ASSEMBLY VENT PLUG. 5.  
INSPECT ANTENNA PEDESTAL. 6. INSPECT ANTENNA REFLECTOR. 7.  
CHECK OIL IN AZIMUTH DRIVE ASSEMBLY. 8. CONDUCT ANTENNA  
DYNAMIC TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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| <b>Task/Abbreviation:</b> Q-45348-004- -AN/SPS-48E(V) RDR SET- RPR/TST |                     |                      | <b>MJC:</b> CXECQ044     |                          | <b>Rev Date:</b> 12/5/2008 |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1            | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 10,000 | <b>ManDays:</b> 50       | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                           |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 4            |                          |                            |

|                |                                                         |                                                                                                                                                                                     |
|----------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                             | <b>Recommended Solution:</b>                                                                                                                                                        |
| BASELINE       | (Q-45348-004)THE AN/SPS-48(V) RADAR SET REQUIRES REPAIR | REPAIR THE AN/SPS-48(V) RADAR SET (LESS ANTENNA AND PEDESTAL) PER CONDITION ASSESSMENT RECOMMENDATIONS. PROVE SATISFACTORY OPERATION BY APPROPRIATE STAGE OF COMBAT SYSTEM TESTING. |

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**Task/Abbreviation:** I-45348-005- -AN/SPS-48E(V) RDR WG- INSP/TST**MJC:** CXECI139**Rev Date:** 12/5/2008**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:** 100**ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-45348-005)THE AN/SPS-48( ) RADAR WAVEGUIDE  
REQUIRES INSPECTION.ACCOMPLISH A VISUAL INSPECTION AND A VOLTAGE STANDING  
WAVE RATIO (VSWR) TEST ON THE AN/SPS-48( ) RADAR WAVEGUIDE  
UTILIZING APPLICABLE MRC CARDS AND TECHNICAL MANUAL ICDS.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B. NOTE: ACCOMPLISH PRIOR TO REMOVAL OF  
ANY TRANSMISSION LINE ELEMENT OR ANTENNA/PEDESTAL.



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|--------------------------------------------------------------------|--|-----------------------------------------------------------------|--|----------------------|--|-------------------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-45348-006- -AN/SPS-48E(V) RDR WG - RPR |  |                                                                 |  | <b>MJC:</b> CXECQ114 |  | <b>Rev Date:</b> 12/5/2008                                                                |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                                             |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                                                             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0                                                  |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 360                                                                     |  | <b>ManDays:</b> 8        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                                                 |  | <b>Repair Pool:</b>  |  |                                                                                           |  | <b>MCC:</b> 4            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                                     |  |                      |  | <b>Recommended Solution:</b>                                                              |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-45348-006)THE AN/SPS-48(V) TRANSMISSION LINE REQUIRES REPAIR |  |                      |  | REPAIR THE AN/SPS-48(V) RADAR TRANSMISSION LINE PER CONDITION ASSESSMENT RECOMMENDATIONS. |  |                          |  |                |  |

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| Task/Abbreviation: I-45348-018- -AN/SPS-48E ANT SAF SW-MRC EHC1 |              |               | MJC: EXECIBE2 |                   | Rev Date: 12/29/2009 |
| RCM Analysis: 6/7/2004                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:              |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-45348-018)THE AN/SPS-48E AIR SEARCH RADAR SETREQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPS-48E AIR SEARCH RADAR SET ASSESSMENT IN ACCORDANCE WITH MRC EHC1 AS FOLLOWS: 1. TEST ANTENNA SAFETY SWITCHES. 2. REPLACE OIL AND OIL FILTERS IN ANTENNA GEARBOXES AND LUBRICATING PUMP. REGIONAL MAINTENANCE ACTIVITIES CONDUCTING ASSESSMENTS PERFORM TEST OF ANTENNA SAFETY SWITCHES STEPS ONLY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: O-45348-029- -FC 16 AN/SPS-48E(V) - ACCOMP |              |               | MJC: CEXECICJ9 |                   | Rev Date: 5/25/2006   |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                       |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 7        | Alt No: FC 16 SPS-48E |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 4         |                   |                       |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                  |
| BASELINE | (O-45348-29) FC-16, AN/SPS-48E(V) WIDEBAND IF DISTRO CABLE IMP, NOT ACCOMPLISHED | ACCOMPLISH FC-16 WHICH REPLACES ASSEMBLIES IN RADAR RECEIVER WHICH HAVE NOISY CABLE CONNECTORS WITH A WIDEBAND LIMITER. POC: CHRIS BAMES, 540-653-3457, CHRISTOPHER.J.BAMES1@NAVY.MIL. |

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| Task/Abbreviation: I-45348-032- -AN/SPS-48 PMP VIB TST-MRC G1P1 |              |               | MJC: EXECIGJ9 |                   | Rev Date: 12/5/2008 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-45348-032)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-45348-034- -AN/SPS-48E RADAR SET- MRC A4Z2 |              |               | MJC: CXTYA042 |                   | Rev Date: 12/29/2009 |
| RCM Analysis: 10/23/2006                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 5        | Alt No:              |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-45348-034)THE AN/SPS-48E AIR SEARCH RADAR SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPS-48E AIR SEARCH RADAR ASSESSMENT IN ACCORDANCE WITH MRC A4Z2 AS FOLLOWS: 1. PERFORM ASSESSMENT PROCEDURE (AP) VISUAL INSPECTION. 2. PERFORM AP OPERATIONAL TESTS. 3. RESULTS AND SUMMARY CHARTS. REPORT CONDITIONS FOUND TO SHIP'S CSMP, TYCOM, AND ISEA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-45435-001- -AN/SPN-35 RDR SET - INSP/TST |         |               | MJC: CXECI063 |            | Rev Date: 3/25/2010 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:   |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 3 | Alt No:             |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3        |            |                     |

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| Reason:  | Problem Description:                                                                     | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (I-45435-001)THE AIRCRAFT CONTROL APPROACH RADAR (AN/SPN-35 SERIES) REQUIRES INSPECTION. | INSPECT AND TEST THE AIRCRAFT CONTROL APPROACH RADAR (AN/SPN-35 SERIES). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-45435-002- -AN/SPN-35 RDR CMPNTS- REPL/TST |              |               | MJC: CXECQ045    |                   | Rev Date: 6/19/2009 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 30       | Alt No:             |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |                  |                   |                     |

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| Reason:  | Problem Description:                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-45435-002)AN/SPN-35( ) RADAR SYSTEM COMPONENTS REQUIRE REPLACEMENT | REPLACE THE AN/SPN-35( ) RADAR SYSTEM COMPONENTS PER CONDITION ASSESSMENT RECOMMENDATIONS. REPLACE THE FOLLOWING SYSTEM COMPONENTS AS AUTHORIZED AND PROVE SATISFACTORY OPERATION BY APPROPRIATE STAGE OF COMBAT SYSTEM TESTING. A. PITCH DRIVE MOTOR. B. ROLL DRIVE MOTOR. C. AZIMUTH DRIVE MOTOR. D. PITCH DRIVE GEAR BOX. E. ROLL DRIVE GEAR BOX. F. AZIMUTH DRIVE GEAR BOX. G. RECEIVERS/TRANSMITTERS AS IDENTIFIED. H. ASSOCIATED WAVEGUIDES AS IDENTIFIED. NOTE: 1. REPLACEMENT COMPONENTS ARE TYCOM FUNDED GFM. |

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| Task/Abbreviation: Q-45435-003- -AN/SPN-35 RADOME - RPR |         |               | MJC: CEXECQ046 |             | Rev Date: |                   |
| RCM Analysis:                                           |         | Scheduled: N  | Sit Reqs:      |             | Qty: 1    | Removal Required: |
| Lvl of Maint: 1                                         | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15 | Alt No:   |                   |
| Referenced Authority:                                   |         | Repair Pool:  |                | MCC: 3      |           |                   |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                             |
| BASELINE | (Q-45435-003)RADOME REQUIRES REPAIR | REPAIR THE RADOME FIBERGLASS PER CONDITION ASSESSMENT RECOMMENDATIONS AND IN ACCORDANCE WITH APPLICABLE TECHNICAL MANUAL. ON COMPLETION OF REPAIRS, ACCOMPLISH A WATER HOSE TEST. |



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| Task/Abbreviation: I-45435-004- -AN/SPN-35 RDR WG - INSP/TST |              |               | MJC: CXECI141 |                   | Rev Date: 3/25/2010 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-45435-004)THE AN/SPN-35( ) RADAR WAVEGUIDE REQUIRES INSPECTION. | ACCOMPLISH A VISUAL INSPECTION AND A VOLTAGE STANDING WAVE RATIO (VSWR) TEST ON THE AN/SPN-35( ) RADAR WAVEGUIDE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> Q-45435-005- -AN/SPN-35 RDR WG - RPR |  |                                        |  | <b>MJC:</b> CXECQ116 |  | <b>Rev Date:</b> 10/4/1999                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                         |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 360                                                             |  | <b>ManDays:</b> 8        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                   |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                   |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                 |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                      |  |                          |  |                |  |
| BASELINE                                                       |  | (Q-45435-005)WAVEGUIDE REQUIRES REPAIR |  |                      |  | REPAIR THE AN/SPN-35( ) RADAR WAVEGUIDE PER CONDITION ASSESSMENT RECOMMENDATIONS. |  |                          |  |                |  |

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| Task/Abbreviation: K-45435-019- -SHIPALT LHA1-01034K - ACCOMP |              |               | MJC: EXSAK599     |                   | Rev Date: 9/8/2005    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1            | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 72,000 | ManDays: 1083     | Alt No: SALHA 01034 K |
| Referenced Authority:                                         | Repair Pool: | MCC: 3        |                   |                   |                       |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                               |
| BASELINE | (K-45435-19) SHIPALT LHA1-01034K, AN/SPN-35C,ACRFT CNTRL RDR SYS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01034K WHICH UPGRADES THE AN/SPN-35B RDR TO AN/SPN-35C BY REPLACING THE EXISTING RECEIVER/TRANSMITTER MOUNTED ON A STRONG-BACK OF THE ANTENNA PEDESTAL ON ANTENNA PLATFORM. |

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| Task/Abbreviation: Q-45435-020- -AN/SPN-35C CKT CARD/ACTR-REPL |              | MJC: CXECQ151 | Rev Date: 6/19/2009 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 4                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,200    | ManDays: 1        | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                                                                      | Recommended Solution:                                                                                                                                                                                                                        |
| BASELINE | (Q-45435-020)AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL CIRCUIT CARD ASSEMBLY (CCA) OR ACTUATOR FAILED. | TROUBLESHOOT, AND REPAIR/REPLACE DEFECTIVE CIRCUIT CARD ASSEMBLY (CCA) OR ACTUATOR. PERFORM ALIGNMENT PROCEDURE AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-45435-021- -AN/SPN-35C LAMP - REPL |              | MJC: CXECQ152 | Rev Date: 6/19/2009 |                   |         |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2              | Removal Required: |         |
| Lvl of Maint: 4                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 10       | ManDays: 1        | Alt No: |
| Referenced Authority:                                   | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                  |
| BASELINE | (Q-45435-021)AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL LAMP FAULTY. | REPLACE LAMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-45435-022- -AN/SPN-35C RCVR CMPNT - REPL |              |               | MJC: CEXECQ153   |                   | Rev Date: 6/19/2009 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                     |
| Lvl of Maint: 4                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,850 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                |
| BASELINE | (Q-45435-022)AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL HAS LOW MINIMUM DISCERNABLE SIGNAL. | TROUBLESHOOT RECEIVER, REPAIR/REPLACE DEFECTIVE COMPONENTS, AND PERFORM ALIGNMENT PROCEDURE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL.RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-45435-023- -AN/SPN-35C XMTR CMPNT-REP/REPL |         |               | MJC: CEXECQ154    |            | Rev Date: 6/19/2009 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:         | Qty: 1     | Removal Required:   |
| Lvl of Maint: 4                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 10,000 | ManDays: 1 | Alt No:             |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3            |            |                     |

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| Reason:  | Problem Description:                                                            | Recommended Solution:                                                                                                                                                                                                   |
| BASELINE | (Q-45435-023)AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL HAS LOW POWER OUTPUT. | TROUBLESHOOT TRANSMITTER, REPAIR/REPLACE DEFECTIVE COMPONENTS, AND PERFORM ALIGNMENT PROCEDURE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL.RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-45435-024- -AN/SPN-35C PANELS - REPR/REPL |              |               | MJC: CEXECQ155   |                   | Rev Date: 6/19/2009 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                     |
| Lvl of Maint: 4                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,750 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                          | Repair Pool: | MCC: 3        |                  |                   |                     |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                              |
| BASELINE | (Q-45435-024)AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL RADOME PANELS CRACKED OR MISSING HARDWARE. | REPAIR/REPLACE CRACKED RADOME PANELS AND MISSING HARDWARE. ACCOMPLISH A SATISFACTORY OPERATIONALTEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |



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| Task/Abbreviation: Q-45435-025- -AN/SPN-35C ANT CMPNT-REP/REPL |         | MJC: CXCQ156  |                  | Rev Date: 6/19/2009 |                   |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:        | Qty: 1              | Removal Required: |
| Lvl of Maint: 4                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 5,000 | ManDays: 1          | Alt No:           |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3           |                     |                   |

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| Reason:  | Problem Description:                                                                  | Recommended Solution:                                                                                                                                                                                               |
| BASELINE | (Q-45435-025)AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL RADAR STABILIZATION FAULTY. | TROUBLESHOOT ANTENNA, REPAIR/REPLACE DEFECTIVE COMPONENTS, AND PERFORM ALIGNMENT PROCEDURE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL.RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-45435-026- -AN/SPN-35C RCVR CMPNT-REP/REPL |              |               | MJC: CEXECQ157   |                   | Rev Date: 6/19/2009 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                     |
| Lvl of Maint: 4                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,750 | ManDays: 2        | Alt No:             |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |                  |                   |                     |

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| Reason:  | Problem Description:                                                                  | Recommended Solution:                                                                                                                                                                                                |
| BASELINE | (Q-45435-026)AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL RECEIVER IS FAULTY OR WEAK. | TROUBLESHOOT RECEIVER, REPAIR/REPLACE DEFECTIVE COMPONENTS, AND PERFORM ALIGNMENT PROCEDURE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL.RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-45435-027- -AN/SPN-35C MAGNETRON - REPL |              |               | MJC: CXCQ158     |                   | Rev Date: 6/19/2009 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                     |
| Lvl of Maint: 4                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,000 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                  |
| BASELINE | (Q-45435-027)AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL HAS DEFECTIVE MAGNETRON. | REPLACE DEFECTIVE MAGNETRON, PERFORM ALIGNMENT PRODECURE, AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| <b>Task/Abbreviation:</b> Q-45435-028- -AN/SPN-35C XMTR CMPNT-REP/REPL |                     |                      | <b>MJC:</b> CEXECQ159   |                          | <b>Rev Date:</b> 6/19/2009 |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1           | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 4                                                 | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 2,729 | <b>ManDays:</b> 2        | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                           |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3           |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                               | <b>Recommended Solution:</b>                                                                                                                                                                                             |
| BASELINE       | (Q-45435-028)AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL HAS FAULTY OR WEAK TRANSMITTER. | TROUBLESHOOT TRANSMITTER, REPAIR/REPLACE DEFECTIVE COMPONENTS, AND PERFORM ALIGNMENT PROCEDURE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

|                                                              |              |               |                  |                   |                     |
|--------------------------------------------------------------|--------------|---------------|------------------|-------------------|---------------------|
| Task/Abbreviation: Q-45435-030- -AN/SPN-35C RT ATTEN CUR-REP |              |               | MJC: CEXECQ161   |                   | Rev Date: 6/19/2009 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                     |
| Lvl of Maint: 4                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,993 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                        | Repair Pool: | MCC: 3        |                  |                   |                     |

|          |                                                                                                                            |                                                                                                                                                                                                                            |
|----------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                                                       | Recommended Solution:                                                                                                                                                                                                      |
| BASELINE | (Q-45435-030)AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL FERRITE SWITCH AND ATTENUATOR CURRENTS DO MEET PMS REQUIREMENTS. | TROUBLESHOOT, REPAIR/REPLACE DEFECTIVE COMPONENTS, ADJUST FERRITE SWITCH AND ATTENUATOR CURRENTS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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**Task/Abbreviation:** I-45435-035- -AN/SPN-35C IND/CONT- MRC FJQ0**MJC:** EXECIIV8**Rev Date:** 7/30/2010**RCM Analysis:** 12/1/2003**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-45435-035)THE AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL RADAR-INDICATOR/CONTROLLER REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL ASSESSMENT IN ACCORDANCE WITH MRC FJQ0. 1. CLEAN AND INSPECT RADAR-INDICATOR/CONTROLLER (UNIT 2). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-45435-036- -AN/SPN-35C RADOME - MRC FJQ1**MJC:** EXECIIV9**Rev Date:** 7/30/2010**RCM Analysis:** 8/1/2009**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-45435-036)THE AN/SPN-35C AIRCRAFT CONTROL  
APPROACH CENTRAL REQUIRES ASSESSMENT.ACCOMPLISH THE AN/SPN-35C AIRCRAFT CONTROL APPROACH  
CENTRAL ASSESSMENT IN ACCORDANCE WITH MRC FJQ1. 1.  
INSPECT RADOME. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-45435-037- -AN/SPN-35C XMTR - MRC FJQ4 |  |              | MJC: EXECIIW0 |               | Rev Date: 7/30/2010 |            |                   |            |         |  |  |
| RCM Analysis: 3/1/2010                                      |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |  |
| Lvl of Maint: 3                                             |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |  |
| Referenced Authority:                                       |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |  |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-45435-037)THE AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL ASSESSMENT IN ACCORDANCE WITH MRC FJQ4. 1. MEASURE TRANSMITTER POWER OUT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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**Task/Abbreviation:** I-45435-038- -AN/SPN-35C SYS OPN - MRC FJQ3**MJC:** EXECI IW1**Rev Date:** 7/30/2010**RCM Analysis:** 3/1/2010**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-45435-038)THE AN/SPN-35C AIRCRAFT CONTROL  
APPROACH CENTRAL REQUIRES ASSESSMENT.ACCOMPLISH THE AN/SPN-35C AIRCRAFT CONTROL APPROACH  
CENTRAL ASSESSMENT IN ACCORDANCE WITH MRC FJQ3. 1.  
PERFORM SYSTEM OPERATIONAL CHECK. REPORT CONDITIONS  
FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-45435-039- -AN/SPN-35C ANT PED - MRC FJQ6**MJC:** EXECIIW2**Rev Date:** 7/30/2010**RCM Analysis:** 3/1/2010**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-45435-039)THE AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL ASSESSMENT IN ACCORDANCE WITH MRC FJQ6. 1. PERFORM SYSTEM OPERATIONAL TEST. 2. TEST OPERATE ANTENNA PEDESTAL PITCH AND ROLL ACTUATORS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-45435-040- -AN/SPN-35C STAB CONT- MRC FJP8**MJC:** EXECIHW3**Rev Date:** 7/30/2010**RCM Analysis:** 2/1/2010**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-45435-040)THE AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL ASSESSMENT IN ACCORDANCE WITH MRC FJP8. 1. CLEAN AND INSPECT STABILIZATION CONTROL ASSEMBLY. 2. LUBRICATE ROLL AND PITCH ACTUATOR BALL SCREWS. 3. INSPECT/REPLACE WAVEGUIDE AND DESICCANT. 4. LUBRICATE AZIMUTH AND ELEVATION DRIVE GEAR BOXES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-45435-041- -AN/SPN-35C RECEIVER - MRC FJQ5 |              |               | MJC: EXECIJ43 |                   | Rev Date: 7/30/2010 |
| RCM Analysis: 3/1/2010                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-45435-041)THE AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPN-35C AIRCRAFT CONTROL APPROACH CENTRAL ASSESSMENT IN ACCORDANCE WITH MRC FJQ5. 1. MEASURE RECEIVER MINIMUM DISCERNIBLE SIGNAL (MDS). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-45441-A01- -AN/SPN-41/41A XMTR - MRC CDK9**MJC:** CXECIDO3**Rev Date:** 10/5/2011**RCM Analysis:** 3/2/2009**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-45441-A01)THE AN/SPN-41/41A TRANSMITTING SET REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/SPN-41/41A TRANSMITTING SET ASSESSMENT IN ACCORDANCE WITH MRC CDK9 AS FOLLOWS: 1. TEST ELEVATION AND AZIMUTH ANTENNA STABILIZATION. 2. PERFORM ANTENNA ALIGNMENT VERIFICATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|----------------------------------------------------------------|--------------|---------------|--------------|-------------------|---------------------|
| Task/Abbreviation: I-45441-A02- -AN/SPN-41/41A XMTR - MRC DLN4 |              |               | MJC: CXCIDO4 |                   | Rev Date: 10/5/2011 |
| RCM Analysis: 2/1/2010                                         | Scheduled: N | Sit Reqs:     | Qty: 1       | Removal Required: |                     |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:   | ManDays: 1        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3       |                   |                     |

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|----------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                               |
| BASELINE | (I-45441-A02)THE AN/SPN-41/41A TRANSMITTING SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPN-41/41A TRANSMITTING SET ASSESSMENT IN ACCORDANCE WITH MRC DLN4 AS FOLLOWS: 1. TEST OPERATE SPARE RADIO TRANSMITTER(S). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|----------------------------------------------------------------|--------------|---------------|--------------|-------------------|---------------------|
| Task/Abbreviation: I-45441-A03- -AN/SPN-41/41A XMTR - MRC EMB4 |              |               | MJC: CXCIDO5 |                   | Rev Date: 10/5/2011 |
| RCM Analysis: 3/2/2009                                         | Scheduled: N | Sit Reqs:     | Qty: 1       | Removal Required: |                     |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:   | ManDays: 1        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3       |                   |                     |

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|----------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-45441-A03)THE AN/SPN-41/41A TRANSMITTING SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SPN-41/41A TRANSMITTING SET ASSESSMENT IN ACCORDANCE WITH MRC EMB4 AS FOLLOWS: 1. CHECK TRANSMITTER FREQUENCY ALIGNMENT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-45441-A04- -AN/SPN-41/41A XMTR - MRC DRM4**MJC:** CXCIDO6**Rev Date:** 10/5/2011**RCM Analysis:** 3/2/2009**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-45441-A04)THE AN/SPN-41/41A TRANSMITTING SET REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/SPN-41/41A TRANSMITTING SET ASSESSMENT IN ACCORDANCE WITH MRC DRM4 AS FOLLOWS: 1. TEST OPERATE TRANSMITTING SET CONFIGURED WITH AZIMUTH AND ELEVATION RECEIVER GROUPS UNIT 5 AND UNIT 6. 2. TEST OPERATE TRANSMITTING SET CONFIGURED WITH AZIMUTH RECEIVER GROUP UNIT 5 AND ELEVATION TEST SET GROUP UNIT 12. 3. TEST OPERATE TRANSMITTING SET CONFIGURED WITH AZIMUTH RECEIVER GROUP UNIT 5 AND ELEVATION TEST SET GROUP UNIT 13. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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|---------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-45443-001- -AN/SPN-43 ANT/PED - INSP/TST |              |               | MJC: CXECI064 |                   | Rev Date: 4/2/2007 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                    |

|          |                                                                               |                                                                                                                                                                                                                                                                                                                                      |
|----------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-45443-001)THE AN/SPN-43( ) RADAR ANTENNA AND PEDESTAL REQUIRES INSPECTION. | ACCOMPLISH A VISUAL INSPECTION AND A VOLTAGE STANDING WAVE RATIO (VSWR) AND ROTATIONAL TESTS ON THE AN/SPN- 43( ) RADAR ANTENNA AND PEDESTAL. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                               |  |              |  |               |  |                  |  |                   |  |         |  |
|---------------------------------------------------------------|--|--------------|--|---------------|--|------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-45443-002- -AN/SPN-43 ANT/PED - REPL/TST |  |              |  | MJC: CXECQ047 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,800 |  | ManDays: 40       |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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|----------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-45443-002)RADAR ANTENNA AND PEDESTAL REQUIRES REPLACEMENT | REPLACE THE AN/SPN-43( ) RADAR ANTENNA AND PEDESTAL PER CONDITION ASSESSMENT RECOMMENDATIONS AND IN ACCORDANCE WITH THE APPLICABLE TECHNICAL MANUAL. ACCOMPLISH A PRE-INSTALLATION OPERATIONAL TEST OF THE NEW ANTENNA SET AND A VOLTAGE STANDING WAVE RATIO (VSWR) AND INSERTION LOSS TESTS TO THE SHIPBOARD INSTALLED WAVEGUIDE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVE SATISFACTORY OPERATION BY APPROPRIATE STAGE OF COMBAT SYSTEM TESTING. |

|                                                               |              |               |               |                   |                    |
|---------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-45443-003- -AN/SPN-43 RDR SET - INSP/TST |              |               | MJC: CXECI065 |                   | Rev Date: 4/2/2007 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                                     | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (I-45443-003)THE AN/SPN-43( ) RADAR SET (LESS ANTENNA AND PEDESTAL) REQUIRES INSPECTION. | INSPECT AND TEST THE AN/SPN-43( ) RADAR SET (LESS ANTENNA AND PEDESTAL). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-45443-004- -AN/SPN-43 RDR SET- RPR/TST |              |               | MJC: CXCQ048     |                   | Rev Date: |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |           |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,800 | ManDays: 40       | Alt No:   |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3           |                   |           |

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|----------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                               |
| BASELINE | (Q-45443-004)RADAR SET REQUIRES REPAIR | REPAIR THE AN/SPN-43( ) RADAR SET (LESS ANTENNA AND PEDESTAL) PER CONDITION ASSESSMENT RECOMMENDATIONS. PROVE SATISFACTORY OPERATION BY APPROPRIATE STAGE OF COMBAT SYSTEM TESTING. |

|                                                              |              |               |               |                   |                    |
|--------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-45443-005- -AN/SPN-43 RDR WG - INSP/TST |              |               | MJC: CXECI140 |                   | Rev Date: 4/2/2007 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2        | Alt No:            |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                    |

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|----------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-45443-005)THE AN/SPN-43( ) RADAR WAVEGUIDE REQUIRES INSPECTION. | ACCOMPLISH A VISUAL INSPECTION AND A VOLTAGE STANDING WAVE RATIO (VSWR) TEST ON THE AN/SPN-43( ) RADAR WAVEGUIDE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|----------------------------------------------------------------|--|----------------------------------------|--|----------------------|--|-----------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-45443-006- -AN/SPN-43 RDR WG - RPR |  |                                        |  | <b>MJC:</b> CXECQ115 |  | <b>Rev Date:</b> 9/30/1999                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                         |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 360                                                             |  | <b>ManDays:</b> 8        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                   |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                   |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                 |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                      |  |                          |  |                |  |
| BASELINE                                                       |  | (Q-45443-006)WAVEGUIDE REQUIRES REPAIR |  |                      |  | REPAIR THE AN/SPN-43( ) RADAR WAVEGUIDE PER CONDITION ASSESSMENT RECOMMENDATIONS. |  |                          |  |                |  |

|                                                           |  |              |  |               |  |                     |  |                   |  |                        |  |
|-----------------------------------------------------------|--|--------------|--|---------------|--|---------------------|--|-------------------|--|------------------------|--|
| Task/Abbreviation: O-45443-020- -FC 4 AN/SPN-43C - ACCOMP |  |              |  | MJC: CXSAO158 |  | Rev Date: 4/28/2006 |  |                   |  |                        |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |                        |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays:          |  | Alt No: FC 4 AN/SPN43C |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |                        |  |

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|----------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                       |
| BASELINE | (O-45443-20) FC 4 AN/SPN-43C, HALYARD ENTANGLEMENT PROTECTION, NOT ACCOMPLISHED. | ACCOMPLISH FC 4 AN/SPN-43C WHICH INSTALLS A CABLE PULL SWITCH ON AN/SPN-43 PEDESTAL THAT SENSES A HALYARD WRAP AND SHUTS DOWN RADAR ROTATION. INSTALLS RADAR ROTATION KILL SWITCHES (PUSH BUTTON) AT SIGNAL-MAN STATIONS. POC: NHI.PHUNG, 301-995-6478, NHI.PHUNG@NAVY.MIL. |

|                                                           |  |              |  |               |  |                     |  |                   |  |                        |  |
|-----------------------------------------------------------|--|--------------|--|---------------|--|---------------------|--|-------------------|--|------------------------|--|
| Task/Abbreviation: O-45443-021- -FC 7 AN/SPN-43C - ACCOMP |  |              |  | MJC: CXSAO160 |  | Rev Date: 4/28/2006 |  |                   |  |                        |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |                        |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays:          |  | Alt No: FC 7 AN/SPN-43 |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |                        |  |

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| Reason:  | Problem Description:                                                           | Recommended Solution:                                                                                                                                                                                            |
| BASELINE | (O-45443-21) FC 7 AN/SPN-43C, STABILIZATION IMPROVEMENT MOD, NOT ACCOMPLISHED. | ACCOMPLISH FC 7 AN/SPN-43C WHICH REPLACES STABILIZATION MOTORS WITH HIGH RELIABILITY, HERMETICALLY SEALED MOTORS. STABILIZATION CONTROL BOX AND PEDESTAL J-BOX WILL BE REMOVED AND REPLACED WITH MODIFIED UNITS. |



|                                                               |         |               |               |            |                     |
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| Task/Abbreviation: O-45443-022- -FC 71295 AN/SPN-43C - ACCOMP |         |               | MJC: CXSAO239 |            | Rev Date: 5/25/2006 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:   |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No: FC 71295    |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2        |            |                     |

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|----------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                               |
| BASELINE | (O-45443-22) FC 71295 AN/SPN-43C, FC 8 STABLE LOCAL OSCILLATOR (STALO), NOT ACCOMPLISHED. | ACCOMPLISH FC 71295 AN/SPN-43C FC 8, WHICH REPLACE COMPONENTS IN THE RADARS RECEIVER THAT ARE OBSOLETE. AN/SPN-43C STABLE LOCAL OSCILLATOR (STALO), REFERENCE OSCILLATOR ABD 21 REFERENCE CRYSTALS WILL BE REPLACED WITH A FREQUENCY SYNTHESIZER. POC: NHI PHUNG, 301-995-6478, NHI.PHUNG@NAVY.MIL. |

|                                                               |              |               |               |                   |                     |
|---------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-45511-043- -AN/UPX-37 IFF ANT - MRC FGJ2 |              |               | MJC: CXECIAO8 |                   | Rev Date: 1/11/2010 |
| RCM Analysis: 2/7/2005                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 1        |                   |                     |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-45511-043)THE AN/UPX-37 INTERROGATOR ANTENNA SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UPX-37 INTERROGATOR ANTENNA SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC FGJ2 AS FOLLOWS: 1. TEST AN/UPX-37 INTERROGATOR ANTENNA SYSTEM VSWR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-45511-055- -AN/UPX-25,27,37 - MRC EZM6 |              |               | MJC: CXECIAQ0 |                   | Rev Date: 6/2/2010 |
| RCM Analysis: 2/7/2005                                      | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-45511-055)THE AN/UPX-25, -27, -37 ANTENNA SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UPX-25, -27, -37 ANTENNA SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC EZM6 AS FOLLOWS: 1. TEST INTERROGATOR ANTENNA SYSTEM VSWR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-45511-060- -AS-177( )/UPX ANT - MRC EZP1**MJC:** CXECIAQ5**Rev Date:** 1/5/2010**RCM Analysis:** 9/6/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-45511-060)THE AS-177( )/UPX ANTENNA  
ASSEMBLY REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE AS-177( )/UPX ANTENNA ASSEMBLY ASSESSMENT  
IN ACCORDANCE WITH MRC EZP1 AS FOLLOWS: 1. INSPECT  
AS-177()/UPX ANTENNA ASSEMBLY. 2. WEATHERPROOF ANTENNA  
CONNECTORS. REGIONAL MAINTENANCE ACTIVITIES CONDUCTING  
C5RA/CMAV ASSESSMENTS PERFORM INSPECTION STEPS ONLY.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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| Task/Abbreviation: I-45511-071- -AN/UPA-61 RF SW GP - MRC EZM7 |              |               | MJC: CEXECIBL5 |                   | Rev Date: 6/2/2010 |
| RCM Analysis: 9/6/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-45511-071)THE AN/UPA-61 RF SWITCHING GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UPA-61 RF SWITCHING GROUP ASSESSMENT IN ACCORDANCE WITH MRC EZM7 AS FOLLOWS: 1. TEST AN/UPA-61 VIDEO CONTROL PULSE. 2. TEST AN/UPA-61 MONITOR CIRCUIT OPERATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-45511-072- -AN/UPX-25, 27, 37 - MRC FFZ9 |              |               | MJC: CEXECIBL6 |                   | Rev Date: 6/2/2010 |
| RCM Analysis: 9/6/2004                                        | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-45511-072)THE AN/UPX-25, AN/UPX-27, OR AN/UPX-37 INTERROGATOR SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UPX-25, AN/UPX-27, OR AN/UPX-37 INTERROGATOR SET ASSESSMENT IN ACCORDANCE WITH MRC FFZ9 AS FOLLOWS: 1. PERFORM RADAR IFF SYSTEM OPERABILITY TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-45511-078- -AN/UPX-36 IFF PRCSR - MRC FGJ3**MJC:** CXCIBM2**Rev Date:** 1/11/2010**RCM Analysis:** 9/6/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-45511-078)THE CP-2351/UPX-36(V) CONTROLLER  
PROCESSOR REQUIRES ASSESSMENT.ACCOMPLISH THE CP-2351/UPX-36(V) CONTROLLER PROCESSOR  
ASSESSMENT IN ACCORDANCE WITH MRC FGJ3 AS FOLLOWS: 1.  
EVALUATE AN/UPX-36(V) IFF SYSTEM NO. 1 WITH AN/UPX-37 AND  
AN/APX-72. 2. EVALUATE AN/UPX-36(V) IFF SYSTEM NO. 2 WITH  
AN/UPX-37 AND AN/APX-72. 3. TEST DECODER OPERATION. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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| Task/Abbreviation: I-45511-079- -IFF ANT SYS - MRC N2Q4 |  |              | MJC: CXCIBM3 |               | Rev Date: 1/11/2010 |            |                   |            |         |  |
| RCM Analysis: 10/23/2006                                |  | Scheduled: N |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                         |  | Freq: 0      |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                   |  |              | Repair Pool: |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-45511-079)THE ANTENNA SYSTEMS REQUIRES ASSESSMENT. | ACCOMPLISH THE ANTENNA SYSTEMS ASSESSMENT IN ACCORDANCE WITH MRC N2Q4 AS FOLLOWS: 1. INSPECT IFF ANTENNA SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation:    |            | K-45511-083- -SHIPALT LHA1-01129K - ACCOMP |           | MJC:        | EXSAK603 | Rev Date:         | 9/8/2005 |          |     |         |               |
| RCM Analysis:         | Scheduled: | N                                          | Sit Reqs: | Qty:        | 1        | Removal Required: |          |          |     |         |               |
| Lvl of Maint:         | 1          | Freq:                                      | 0         | Equip/Task: | 1        | Matl Cost:        | 8,268    | ManDays: | 101 | Alt No: | SALHA 01129 K |
| Referenced Authority: |            | Repair Pool:                               |           | MCC:        |          |                   |          | 3        |     |         |               |

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| Reason:  | Problem Description:                                                              | Recommended Solution:                                                                                                                                                                              |
| BASELINE | (K-45511-83) SHIPALT LHA1-01129K, TRANSPONDER SET AN/APX-118(V), NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01129K WHICH PROVIDES A FLEXIBLE INTERFACE USING AN EMBEDDED MODE 4 CRYPTO. THIS INSTALLATION PROVIDES A RELIABLE AND MAINTAINABLE UPDGRADE TO THE AIMS MK XII IFF SYSTEM. |

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| Task/Abbreviation: K-45511-084- -SHIPALT LHA1-01151K - ACCOMP |              |               | MJC: EXSAK605    |                   | Rev Date: 9/9/2005    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 120      | Alt No: SALHA 01151 K |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3           |                   |                       |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                         |
| BASELINE | (K-45511-84) SHIPALT LHA1-01151K, AN/TPX-42A(V)14 UPGRADE, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01151K WHICH REPLACES THE PRESENTLY INSTALLED AN/TPX-42A(V)12, (V)13 AND (V)14 AMPHIBIOUS AIR TRAFFIC CONTROL DIRECT ALTITUDE AND IDENTITY READOUTS (AATC DAIR) SYSTEM WITH THE AN/TPX-42A(V)14 W/FC 1 (FC1) AND FIELD CHANGE (FC2) AATC DAIR SYSTEM. |

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**Task/Abbreviation:** I-45511-090- -AN/APX-118 - MRC FVF5**MJC:** CXECICO3**Rev Date:** 5/13/2011**RCM Analysis:** 1/3/2011**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-45511-090)THE AN/APX-118 TRANSPONDER SET  
REQUIRES ASSESSMENT.ACCOMPLISH THE AN/APX-118 TRANSPONDER SET ASSESSMENT IN  
ACCORDANCE WITH MRC FVF5 AS FOLLOWS: 1. VERIFY MODE 4  
CODE FUNCTION.2. TEST C-12664/APX.3. PERFORM  
RT-1836(C)/APX-118(V) BIT TEST.REPORT CONDITIONS FOUND TO  
SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN  
THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| <b>Task/Abbreviation:</b> O-45511-096- -SWD 001.03 TPX-42A(V)13-ACCOMP |  |                                                                         |  | <b>MJC:</b> EXSAO163 |  | <b>Rev Date:</b> 3/22/2007                                         |  |                          |  |                         |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N                                                     |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                                      |  | <b>Removal Required:</b> |  |                         |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0                                                          |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                  |  | <b>ManDays:</b>          |  | <b>Alt No:</b> SWD 1.03 |  |
| <b>Referenced Authority:</b>                                           |  |                                                                         |  | <b>Repair Pool:</b>  |  |                                                                    |  | <b>MCC:</b> 3            |  |                         |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b>                                             |  |                      |  | <b>Recommended Solution:</b>                                       |  |                          |  |                         |  |
| BASELINE                                                               |  | (O-45511-96) SWD 1.03 TPX-42A (V) 13 SOFTWARE UPGRADE, NOT ACCOMPLISHED |  |                      |  | ACCOMPLISH SWD 1.03 WHICH INSTALL TPX-42A (V) 13 SOFTWARE UPGRADE. |  |                          |  |                         |  |

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**Task/Abbreviation:** I-45542-008- -AN/TPX-42A - MRC EPP1**MJC:** CXECIAR3**Rev Date:** 1/12/2010**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-45542-008)THE AN/TPX-42A(V)12, (V)13  
INTERROGATOR SET REQUIRES ASSESSMENT.ACCOMPLISH THE AN/TPX-42A(V)12, (V)13 INTERROGATOR SET  
ASSESSMENT IN ACCORDANCE WITH MRC EPP1 AS FOLLOWS: 1.  
MEASURE NORMAL RADAR VIDEO AMPLITUDE. 2. MEASURE RADAR  
PULSE REPETITION TIME (PRT). 3. MEASURE AN/SPN-43C RADAR  
PRETRIGGER DELAY. 4. MEASURE MTI RADAR VIDEO AMPLITUDE. 5.  
MEASURE IFF COMPOSITE VIDEO AMPLITUDE. 6. MEASURE MODE  
TRIGGER AMPLITUDE. REPORT CONDITIONS FOUND TO SHIP'S  
CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE  
SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO,  
BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-45542-009- -WM3202A RCDR-RPDR - MRC FFE1 |              |               | MJC: CXECIAR4 |                   | Rev Date: 4/19/2008 |
| RCM Analysis: 2/7/2005                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-45542-009)THE AN/TPX-42A(V)13, 14, 14 FC2 INTERROGATOR SET WM3202A WORDSAFE MAXIMA RECORDER-REPRODUCER REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/TPX-42A(V)13, 14, 14 FC2 INTERROGATOR SET WM3202A WORDSAFE MAXIMA RECORDER-REPRODUCER ASSESSMENT IN ACCORDANCE WITH MRC FFE1 AS FOLLOWS: 1. CLEAN RECORDER HEADS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|---------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-45542-010- -WM3202A RCDR-RPDR - MRC FFE2 |              |               | MJC: CXECIAR5 |                   | Rev Date: 1/12/2010 |
| RCM Analysis: 2/7/2005                                        | Scheduled: N | Sit Reqs:     | Qty: 0        | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 0 | Matl Cost:    | ManDays: 0        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 0        |                   |                     |

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| Reason:  | Problem Description:                                                                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-45542-010)THE AN/TPX-42A(V)13, 14, 14 FC2 INTERROGATOR SET WM3202A WORDSAFE MAXIMA RECORDER-REPRODUCER REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/TPX-42A(V)13, 14, 14 FC2 INTERROGATOR SET WM3202A WORDSAFE MAXIMA RECORDER-REPRODUCER ASSESSMENT IN ACCORDANCE WITH MRC FFE2 AS FOLLOWS: 1. TEST DAIR VIDEO PLAYBACK AND AUTOMATIC DECK CHANGEOVER. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-45542-011- -WM3202A RCDR-RPDR - MRC FFE3 |  |              | MJC: CXECIAR6 |               | Rev Date: 1/12/2010 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                        |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-45542-011)THE AN/TPX-42A(V)13, 14, 14 FC2 INTERROGATOR SET WM3202A WORDSAFE MAXIMA RECORDER-REPRODUCER REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/TPX-42A(V)13, 14, 14 FC2 INTERROGATOR SET WM3202A WORDSAFE MAXIMA RECORDER-REPRODUCER ASSESSMENT IN ACCORDANCE WITH MRC FFE3 AS FOLLOWS: 1. MEASURE VOX AUDIO THRESHOLD LEVEL AND INPUT AUDIO SIGNAL LEVEL. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-45542-013- -AN/TPX-42A(V)14 FC1,2-MRC A5G2 |              |               | MJC: EXECIGK6 |                   | Rev Date: 1/12/2010 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-45542-013)THE AN/TPX-42A(V)14 WITH FC1 FC2 INTERROGATOR SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/TPX-42A(V)14 WITH FC1 FC2 INTERROGATOR SET ASSESSMENT IN ACCORDANCE WITH MRC A5G2 AS FOLLOWS:<br>1. PERFORM VISUAL INSPECTION. 2. CONDUCT OPERATIONAL TESTS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-45542-016- -AN/TPX-42A(V)14 FC3-MRC A5L2 |              |               | MJC: EXECIJ45 |                   | Rev Date: 9/1/2010 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-4452-016)THE AN/TPX-42A(V)14 WITH FC3 INTERROGATOR SET REQUIRES ASSESSMENT - MRC A5L2. | ACCOMPLISH THE AN/TPX-42A(V)14 WITH FC3 INTERROGATOR SET ASSESSMENT IN ACCORDANCE WITH MRC A5L2 AS FOLLOWS: 1. PERFORM VISUAL INSPECTION. 2. CONDUCT OPERATIONAL TESTS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|---------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-47111-004- -AN/SLQ-32 CLG SYS - INSP/TST |              |               | MJC: OXECI023 |                   | Rev Date: 3/16/1999 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                                                                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-47111-004)THE CHILLED WATER SYSTEM, HEAT EXCHANGER AND DEMINERALIZED WATER COOLING LOOP OF THE AN/SLQ-32(V)( ) COUNTERMEASURES SET COOLING WATER SYSTEM REQUIRES INSPECTION. | INSPECT AND TEST THE CHILLED WATER SYSTEM, HEAT EXCHANGER AND DEMINERALIZED WATER COOLING LOOP OF THE AN/SLQ-32(V)( ) COUNTERMEASURES SET COOLING WATER SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-47111-006- -AN/SLQ-32 CLG SYS - RPR**MJC:** OXECQ022**Rev Date:** 5/13/1999**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 360**ManDays:** 8**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-47111-006)HEAT EXCHANGER REQUIRES REPAIR

REPAIR THE CHILLED WATER SYSTEM AND THE DEMINERALIZED WATER COOLING LOOP OF THE AN/SLQ-32(V)( ) COUNTERMEASURES SET COOLING WATER SYSTEM PER CONDITION ASSESSMENT RECOMMENDATIONS. ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLING WATER HEAT EXCHANGER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE WATER BOXES FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. A. REPLACE COOLER TUBES. B. REPLACE COOLER ZINCS. C.REPAIR TUBE SHEET AND WATERBOX COATING. AFTER COMPLETION OF ALL REPAIRS, ACCOMPLISH A SATISFACTORY OPERATIONAL TEST OF THE COOLING WATER SYSTEM.

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| Task/Abbreviation: O-47111-015- -FC 17 AN/SLQ-32A(V)3 - ACCOMP |         |               | MJC: CXSAO045 |            | Rev Date: 4/28/2006    |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:      |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 0 | Alt No: FC 19 SLQ-32V3 |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3        |            |                        |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                       |
| BASELINE | (O-47111-15) FC-17, AN/SLQ-32A(V)3 (IFM/CFR BLANKING), NOT ACCOMPLISHED | ACCOMPLISH FIELD CHANGE-17 WHICH INSTALLS IFM/CFR BLANKING TO THE AN/SLQ-32A(V)3 COUNTERMEASURES SET. NOTE: AIT IS NSWG PHD; POC IS BRIAN WILES, PHONE 812-854-3426 OR (CELL) 812-384-5319. |

|                                                               |              |               |               |                   |                     |
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| Task/Abbreviation: O-47111-071- -FC 24 AN/SLQ-32A(V)3 - ACCOM |              |               | MJC: CXSAO163 |                   | Rev Date: 4/28/2006 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 16       | Alt No: FC 24       |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                        |
| BASELINE | (O-47111-71) FC-24, AN/SLQ-32A(V)3 TVSS-IMPROVE SURGE PROTECTION, NOT ACCOMPLISHED. | ACCOMPLISH FC-24, AN/SLQ-32A(V)3 TVSS-IMPROVE SURGE PROTECTION, WHICH REMOVES THE EXISTING SPIKE ARRESTOR (P/N 845673) IN UNIT 11 AND INSTALLS TVSS (P/N 7118846) TO IMPROVE SAFETY AND PERFORMANCE. THERE ARE ONE (1) OF THESE SPIKE ARRESTORS ON THE 60HZ SIDE AND THREE (3) ON THE 400HZ SIDE OF UNIT 11. |

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| Task/Abbreviation: O-47111-095- -FC 23 AN/SLQ-32(V)5 - ACCOMP |                                                          |               |                                                                                                                                                                                                                                                    | MJC: CXSAO175 | Rev Date: 7/11/2006 |
| RCM Analysis:                                                 |                                                          | Scheduled: N  | Sit Reqs:                                                                                                                                                                                                                                          | Qty: 1        | Removal Required:   |
| Lvl of Maint: 1                                               | Freq: 0                                                  | Equip/Task: 1 | Matl Cost:                                                                                                                                                                                                                                         | ManDays: 5    | Alt No: FC 23       |
| Referenced Authority:                                         |                                                          | Repair Pool:  | MCC: 3                                                                                                                                                                                                                                             |               |                     |
| Reason:                                                       | Problem Description:                                     |               | Recommended Solution:                                                                                                                                                                                                                              |               |                     |
| BASELINE                                                      | (O-47111-95) FC 23 AN/SLQ-32(V)5, HVDU, NOT ACCOMPLISHED |               | ACCOMPLISH FC 23 AN/SLQ-32(V)5 WHICH CHANGES THE RF MODULES, SPECIFICALLY THE VACUUM SWITCH TO A SOLID STATE SWITCH, AND VARIOUS OTHER INTERNAL COMPONENT CHANGES WITHIN THE HVDU. POC: SCOTT GILLENWATER 812-854-4487, SCOTT.GILLENWATER@NAVY.MIL |               |                     |

|                                                                |              |               |               |                   |                    |
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| Task/Abbreviation: O-47111-096- -FC 26 AN/SLQ-32A(V)3 - ACCOMP |              |               | MJC: CXSAO176 |                   | Rev Date: 7/6/2006 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 02       | Alt No: FC 26      |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (O-47111-96) FC 26 AN/SLQ-32A(V)3, HVPS (PRVD EA FOR SSD), NOT ACCOMPLISHED | ACCOMPLISH FC 26 AN/SLQ-32A(V)3 WHICH PROVIDES CORRECTIVE HARDWARE CHANGES ASSOCIATED WITH FAILURES IN THE AN/SLQ-32A(V)3 HIGH VOLTAGE SUBSYSTEM. THIS REDUCES THE MTBF & IMPROVES OTHER COMPONENTS IN THE HVPS. THE HV IMPROVEMENTS ARE CONJUNCTIVE TO FC23 HIGH VOLTAGE DISTRIBUTION UNIT. POC: TERRI SAULTER 812-854-1479, TERRI.SAULTER@NAVY.MIL |



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| Task/Abbreviation: O-47111-098- -SWD VER 18.00 SLQ-32 - ACCOMP |  |              |  | MJC: EXSAO087 |  | Rev Date:  |  |                   |  |                   |  |
| RCM Analysis:                                                  |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1     |  | Removal Required: |  |                   |  |
| Lvl of Maint: 1                                                |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: |  | ManDays:          |  | Alt No: SWD 18.00 |  |
| Referenced Authority:                                          |  |              |  | Repair Pool:  |  |            |  | MCC: 3            |  |                   |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                |
| BASELINE | (O-47111-98) SWD 18.00, SLQ-32 SOFTWARE UPGRADE, NOT ACCOMPLISHED | ACCOMPLISH SWD 18.00 WHICH INSTALLS VER 18.00 WHICH LOADS NEW ALGORITHMS AND A THREAT LIBRARY. THIS IS FOR MK 36 EQUIPPED PLATFORMS AND IS INSTALLED W / FC 19(ESE). |

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| Task/Abbreviation: Q-47111-101- -AN/SLQ-32(V)3 ACTR-REPL |              |               | MJC: CEXECQ180   |                   | Rev Date: 9/7/2006 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                    |
| Lvl of Maint: 4                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,200 | ManDays: 3        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                          |
| BASELINE | (Q-47111-101)AN/SLQ-32A(V)3 COUNTERMEASURE SET ACTUATOR FAILED. | REPLACE ACTUATOR. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-47111-103- -AN/SLQ-32(V)3 CKT-T/S, RPR/RE |                                                                                |                                                                                                                                                                                    | MJC: CXCQ182      |            | Rev Date: 9/7/2006 |
| RCM Analysis:                                                  |                                                                                | Scheduled: N                                                                                                                                                                       | Sit Reqs:         | Qty: 1     | Removal Required:  |
| Lvl of Maint: 4                                                | Freq: 0                                                                        | Equip/Task: 1                                                                                                                                                                      | Matl Cost: 12,000 | ManDays: 3 | Alt No:            |
| Referenced Authority:                                          |                                                                                | Repair Pool:                                                                                                                                                                       | MCC: 3            |            |                    |
| Reason:                                                        | Problem Description:                                                           | Recommended Solution:                                                                                                                                                              |                   |            |                    |
| BASELINE                                                       | (Q-47111-103)AN/SLQ-32A(V)3 COUNTERMEASURE SET HAS FAULTY BATTLESHORT CIRCUIT. | TROUBLESHOOT BATTLESHORT CIRCUIT AND REPAIR/REPLACE FAULTY COMPONENT. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                   |            |                    |

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| <b>Task/Abbreviation:</b> Q-47111-104- -AN/SLQ-32(V)3 CBL-REPL |                     |                      | <b>MJC:</b> CXECQ183  |                          | <b>Rev Date:</b> 9/7/2006 |
| <b>RCM Analysis:</b>                                           | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1         | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 4                                         | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 910 | <b>ManDays:</b> 6        | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                   |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                                    | <b>Recommended Solution:</b>                                                                                                         |
| BASELINE       | (Q-47111-104)AN/SLQ-32A(V)3 COUNTERMEASURE SET CABLES MISSING. | REPLACE MISSING CABLES. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-47111-106- -AN/SLQ-32(V)3 DRY AIR-T/S, RP |              |               | MJC: CXCQ185   |                   | Rev Date: 9/7/2006 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 4                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 325 | ManDays: 4        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                             |
| BASELINE | (Q-47111-106)AN/SLQ-32A(V)3 COUNTERMEASURE SET LACKING DRY AIR. | TROUBLESHOOT, AND REPAIR/REPLACE FAULTY COMPONENT. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. . |

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| Task/Abbreviation: Q-47111-107- -AN/SLQ-32(V)3 LAMP-REPL |              |               | MJC: CEXECQ186 |                   | Rev Date: 9/7/2006 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 4                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 18  | ManDays: 2        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                      |
| BASELINE | (Q-47111-107)AN/SLQ-32A(V)3 COUNTERMEASURE SET HAS FAULTY LAMP. | REPLACE LAMP. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-47111-108- -AN/SLQ-32(V)3 LIQ COOL-T/S |              |               | MJC: CEXECQ187 |                   | Rev Date: 9/7/2006 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 4                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 925 | ManDays: 6        | Alt No:            |
| Referenced Authority:                                       | Repair Pool: | MCC: 3        |                |                   |                    |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                |
| BASELINE | (Q-47111-108)AN/SLQ-32A(V)3 COUNTERMEASURE SET HAS LOW FLOW FROM SHIPS LIQUID COOLANT SUPPLY. | TROUBLESHOOT LIQUID COOLANT SYSTEM AND REPAIR/REPLACE FAULTY COMPONENT. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| <b>Task/Abbreviation:</b> Q-47111-109- -AN/SLQ-32(V)3 CONN-TIGHTEN |  |                                                                                  |  | <b>MJC:</b> CEXECQ188 |  | <b>Rev Date:</b> 9/7/2006                                                                                                                  |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                                                              |  | <b>Sit Reqs:</b>      |  | <b>Qty:</b> 1                                                                                                                              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 4                                             |  | <b>Freq:</b> 0                                                                   |  | <b>Equip/Task:</b> 1  |  | <b>Matl Cost:</b>                                                                                                                          |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                                                                  |  | <b>Repair Pool:</b>   |  |                                                                                                                                            |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                                                      |  |                       |  | <b>Recommended Solution:</b>                                                                                                               |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-47111-109)AN/SLQ-32A(V)3 COUNTERMEASURE SET CONNECTORS DISCONNECTED OR LOOSE. |  |                       |  | RECONNECT/TIGHTEN CONNECTORS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |  |                          |  |                |  |



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| Task/Abbreviation: Q-47111-112- -AN/SLQ-32(V)3 WIRES-REPL |              |               | MJC: CXECQ191  |                   | Rev Date: 9/7/2006 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 4                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 255 | ManDays: 3        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                              |
| BASELINE | (Q-47111-112)AN/SLQ-32A(V)3 COUNTERMEASURE SET HAS WORN/DEFECTIVE WIRES. | REPAIR/REPLACE WIRES. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: I-47111-141- -AN/SLQ-32AV3,V5 - MRC A5C7 |  |              | MJC: CXCID25 |               | Rev Date: 7/29/2009 |            |                   |            |         |  |
| RCM Analysis: 12/10/2007                                    |  | Scheduled: N |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 0      |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 2 | Alt No: |  |
| Referenced Authority:                                       |  |              | Repair Pool: |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-47111-141)THE AN/SLQ-32 COUNTERMEASURES SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SLQ-32 COUNTERMEASURES SET ASSESSMENT IN ACCORDANCE WITH MRC A5C7 AS FOLLOWS: 1. PERFORM INSERTION LOSS AND VOLTAGE STANDING WAVE RATIO (VSWR) MEASUREMENT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-47111-142- -AN/SLQ-32AV3,V5 - MRC A5C6 |  |              | MJC: CXCID26 |               | Rev Date: 7/29/2009 |            |                   |            |         |  |
| RCM Analysis: 12/10/2007                                    |  | Scheduled: N |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 0      |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 2 | Alt No: |  |
| Referenced Authority:                                       |  |              |              | Repair Pool:  |                     |            | MCC: 3            |            |         |  |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-47111-142)THE AN/SLQ-32 COUNTERMEASURES SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SLQ-32 COUNTERMEASURES SET ASSESSMENT IN ACCORDANCE WITH MRC A5C6 AS FOLLOWS: 1. PERFORM HIGH VOLTAGE CABLE TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-47111-143- -AN/SLQ-32AV3,V5 - MRC A5C5**MJC:** CXECID27**Rev Date:** 9/17/2009**RCM Analysis:** 12/10/2007**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-47111-143)THE AN/SLQ-32 COUNTERMEASURES SET REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/SLQ-32 COUNTERMEASURES SET ASSESSMENT IN ACCORDANCE WITH MRC A5C5 AS FOLLOWS: 1. PERFORM INTERLOCK/INDICATOR CHECKOUT TEST. 2. PERFORM BATTLESHORT TEST. 3. PERFORM POWER DISTRIBUTION PANEL, UNIT 211/311 VOLTAGE AND PHASE MEASUREMENTS. 4. PERFORM TRANSIENT VOLTAGE SURGE SUPPRESSOR (TVSS) OPERATIONAL VERIFICATION. 5. PERFORM DISPLAY AND CONTROL CONSOLE (DCC) PRIMARY POWER TEST. 6. PERFORM RACK 1 PRIMARY POWER TEST (ESM). 7. PERFORM RACK 2 PRIMARY POWER TEST (AECM STBY). 8. PERFORM RACK 3 PRIMARY POWER TEST (AECM ON). 9. PERFORM ANTENNA ENCLOSURE PRIMARY POWER TEST. 10. PERFORM ANTENNA PEDESTAL PRIMARY POWER TEST. 11. PERFORM HEAT EXCHANGER PRIMARY POWER TEST (PORT/STBD). 12. PERFORM AIR SYSTEM INSPECTION. 13. PERFORM WAVEGUIDE DRY AIR PRESSURE SYSTEM CHECKOUT. 14. PERFORM LIQUID COOLING SYSTEM CHECKOUT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-47111-144- -AN/SLQ-32AV3,V5 - MRC A5C4**MJC:** CXCID28**Rev Date:** 8/28/2009**RCM Analysis:** 12/10/2007**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:****ManDays:** 4**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-47111-144)THE AN/SLQ-32 COUNTERMEASURES SET REQUIRES ASSESSMENT.

ACCOMPLISH THE AN/SLQ-32 COUNTERMEASURES SET ASSESSMENT IN ACCORDANCE WITH MRC A5C4 AS FOLLOWS: 1. PERFORM RACK ONE INSPECTION. 2. PERFORM RACK TWO INSPECTION. 3. PERFORM RACK THREE INSPECTION. 4. PERFORM DISPLAY CONSOLE INSPECTION. 5. PERFORM HEAT EXCHANGER INSPECTION. 6. PERFORM UNIT 11 INSPECTION. 7. PERFORM AIR AND COOLING SYSTEM INSPECTION. 8. PERFORM ANTENNA PHYSICAL INSPECTION. 9. PERFORM PHYSICAL INSPECTION. 10. PERFORM LOCAL OPERATING MODE TEST. 11. PERFORM NORMAL OPERATING MODE TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

|                                                             |  |              |              |               |                     |            |                   |            |         |  |
|-------------------------------------------------------------|--|--------------|--------------|---------------|---------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-47111-145- -AN/SLQ-32AV3,V5 - MRC A5C8 |  |              | MJC: CXCID29 |               | Rev Date: 8/28/2009 |            |                   |            |         |  |
| RCM Analysis: 12/10/2007                                    |  | Scheduled: Y |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 24     |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 6 | Alt No: |  |
| Referenced Authority:                                       |  |              |              | Repair Pool:  |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-47111-145)THE AN/SLQ-32 COUNTERMEASURES SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SLQ-32 COUNTERMEASURES SET ASSESSMENT IN ACCORDANCE WITH MRC A5C8 AS FOLLOWS: 1. ASSESS DIAGNOSTIC AND OPERATIONAL TESTS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-47211-017- -AN/USQ-T47 BEWT - INSP/TST |              |               | MJC: CXECI424 |                   | Rev Date: 10/5/2010 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                       |
| BASELINE | (I-47211-017)AN/USQ-T47 BATTLE FORCE ELECTRONIC WARFARE TRAINER REQUIRES INSPECTION. | INSPECT AND TEST AN/USQ-T47 BATTLE FORCE ELECTRONIC WARFARE TRAINER. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-47211-021- -AN/SLA-10B - MRC DTY1**MJC:** EXECIBL3**Rev Date:** 8/28/2009**RCM Analysis:** 12/4/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-47211-021)THE AN/SLA-10B BLANKER-VIDEO  
MIXER GROUP REQUIRES ASSESSMENT.ACCOMPLISH THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP  
ASSESSMENT IN ACCORDANCE WITH MRC DTY1 AS FOLLOWS: 1.  
MEASURE POWER SUPPLY VOLTAGES. REPORT CONDITIONS  
FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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**Task/Abbreviation:** I-47211-023- -AN/SLA-10B - MRC ETY0**MJC:** EXECIBL5**Rev Date:** 8/28/2009**RCM Analysis:** 12/4/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-47211-023)THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP REQUIRES ASSESSMENT.

ACCOMPLISH THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP ASSESSMENT IN ACCORDANCE WITH MRC ETY0 AS FOLLOWS: 1. INTERFACE EMITTER(S) TO AN/SLA-10B BLANKER-VIDEO MIXER GROUP. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-47211-036- -AN/SLA-10B - MRC LP92 |  |              |  | MJC: EXECIBM8 |  | Rev Date: 8/28/2009 |  |                   |  |         |  |
| RCM Analysis: 12/4/2006                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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|----------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-47211-036)THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP ASSESSMENT IN ACCORDANCE WITH MRC LP92 AS FOLLOWS: 1. PERFORM CIWS BLANKING ALIGNMENT FOR AN/SLQ-32(V). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE: 1. ASSESSMENT MUST BE ACCOMPLISHED "AT SEA". 2. PERFORM AFTER A CNO AVAILABILITY OR TYCOM AVAILABILITY. |

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**Task/Abbreviation:** I-47211-037- -AN/SLA-10B - MRC LP93**MJC:** EXECIBM9**Rev Date:** 8/28/2009**RCM Analysis:** 12/4/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-47211-037)THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP ASSESSMENT IN ACCORDANCE WITH MRC LP93 AS FOLLOWS: 1. PERFORM AN/SLQ-32(V) BLANKING ALIGNMENT FOR AN/SLA-10B WITH FIELD CHANGE 3. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE: 1. ASSESSMENT MUST BE ACCOMPLISHED "AT SEA". 2. PERFORM AFTER A CNO AVAILABILITY OR TYCOM AVAILABILITY.

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| Task/Abbreviation: I-47211-038- -AN/SLA-10B - MRC LP94 |  |              | MJC: EXECIBN0 |               | Rev Date: 8/28/2009 |            |                   |            |         |  |
| RCM Analysis: 12/4/2006                                |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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|----------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-47211-038)THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP ASSESSMENT IN ACCORDANCE WITH MRC LP94 AS FOLLOWS: 1. PERFORM AN/SLQ-32(V) BIT BLANKING ALIGNMENT PROCEDURES. 2. PERFORM DUTY CYCLE ANALYSIS PROCEDURES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE: 1. ASSESSMENT MUST BE ACCOMPLISHED "AT SEA". |

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**Task/Abbreviation:** I-47211-039- -AN/SLA-10B - MRC ETY8**MJC:** EXECIBN1**Rev Date:** 8/28/2009**RCM Analysis:** 12/4/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-47211-039)THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP REQUIRES ASSESSMENT.

ACCOMPLISH THE AN/SLA-10B BLANKER-VIDEO MIXER GROUP ASSESSMENT IN ACCORDANCE WITH MRC ETY8 AS FOLLOWS: 1. PERFORM AN/SLQ-32(V) BLANKING ALIGNMENT FOR AN/SLA-10B WITHOUT FIELD CHANGE 3. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE: 1. ASSESSMENT MUST BE ACCOMPLISHED "AT SEA". 2. PERFORM AFTER A CNO AVAILABILITY OR TYCOM AVAILABILITY.

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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-47211-043- -AN/ULQ16 PULSE ANALY- MRC ERQ7 |              |               | MJC: CXECIAS2 |                   | Rev Date: 7/6/2007 |
| RCM Analysis: 12/4/2006                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-47211-043)THE AN/ULQ-16 PULSE ANALYZER SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/ULQ-16 PULSE ANALYZER SET ASSESSMENT IN ACCORDANCE WITH MRC ERQ7 AS FOLLOWS: 1. PERFORM PULSE AMPLITUDE MEASUREMENT TEST. 2. PERFORM INPUT ATTENUATOR TEST. 3. CHECK TOA INTERPOLATOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-47211-044- -AN/ULQ16 PULSE ANALY- MRC ERQ8 |              |               | MJC: CXECIAS3 |                   | Rev Date: 7/6/2007 |
| RCM Analysis: 12/4/2006                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason: | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASLINE | (I-47211-044)THE AN/ULQ-16 PULSE ANALYZER SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/ULQ-16 PULSE ANALYZER SET ASSESSMENT IN ACCORDANCE WITH MRC ERQ8 AS FOLLOWS: 1. PERFORM PULSE WIDTH RANGE TEST. 2. PERFORM TRIGGER LEVEL TEST. 3. PERFORM ILLUMINATION TIME AND SCAN TIME TEST. 4. PERFORM PRI FINE GRAIN/PRI RANGE TEST. 5. PERFORM TURBOCHARGER TEST. REPORT CONDITIONS FOUND TO SHIP"S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-47211-045- -AN/ULQ16 PULSE ANALY- MRC ERQ9 |              |               | MJC: CXECIAS4 |                   | Rev Date: 8/28/2009 |
| RCM Analysis: 12/4/2006                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-47211-045)THE AN/ULQ-16 PULSE ANALYZER SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/ULQ-16 PULSE ANALYZER SET ASSESSMENT IN ACCORDANCE WITH MRC ERQ9 AS FOLLOWS: 1. PERFORM BUILT-IN TEST BITE TEST. REPORT CONDITIONS FOUND TO SHIP"S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-47211-046- -AN/ULQ16 PULSE ANALY- MRC ESK0 |              |               | MJC: CXECIAS5 |                   | Rev Date: 7/6/2007 |
| RCM Analysis: 12/4/2006                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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|----------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (I-47211-046)THE AN/ULQ-16 PULSE ANALYZER SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/ULQ-16 PULSE ANALYZER SET ASSESSMENT IN ACCORDANCE WITH MRC ESK0 AS FOLLOWS: 1. PERFORM POWER SUPPLY CHECKS. 2. PERFORM CLOCK DIVIDER CHECK AND ALIGNMENT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-47211-047- -AN/ULQ16 PULSE ANALY- MRC ESK9 |              |               | MJC: CXECIAS6 |                   | Rev Date: 7/6/2007 |
| RCM Analysis: 12/4/2006                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-47211-047)THE AN/ULQ-16 PULSE ANALYZER SET REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/ULQ-16 PULSE ANALYZER SET ASSESSMENT IN ACCORDANCE WITH MRC ESK9 AS FOLLOWS: 1. PERFORM VIDEO DIGITIZER ALIGNMENTS. 2. VERIFY VIDEO DIGITIZER ALIGNMENTS. REPORT CONDITIONS FOUND TO SHIP"S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-47211-068- -AN/SLA-10 CCA-REPL |                                                                                 |                                                                                                                                                    | MJC: CEXECQ193   |            | Rev Date: 9/7/2006 |
| RCM Analysis:                                       |                                                                                 | Scheduled: N                                                                                                                                       | Sit Reqs:        | Qty: 1     | Removal Required:  |
| Lvl of Maint: 4                                     | Freq: 0                                                                         | Equip/Task: 1                                                                                                                                      | Matl Cost: 2,495 | ManDays: 3 | Alt No:            |
| Referenced Authority:                               |                                                                                 | Repair Pool:                                                                                                                                       | MCC: 3           |            |                    |
| Reason:                                             | Problem Description:                                                            | Recommended Solution:                                                                                                                              |                  |            |                    |
| BASELINE                                            | (Q-47211-068)AN/SLA-10B BLANKER-VIDEO MIXER GROUP CIRCUIT CARD ASSEMBLY FAULTY. | REPAIR/REPLACE CIRCUIT CARD ASSEMBLY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                  |            |                    |

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|-----------------------------------------------------|--------------|---------------|------------------|-------------------|--------------------|
| Task/Abbreviation: Q-47211-069- -AN/ULQ-16 CCA-REPL |              |               | MJC: CEXECQ194   |                   | Rev Date: 9/7/2006 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                    |
| Lvl of Maint: 4                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,007 | ManDays: 3        | Alt No:            |
| Referenced Authority:                               | Repair Pool: | MCC: 3        |                  |                   |                    |

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| Reason:  | Problem Description:                                                                           | Recommended Solution:                                                                                                                              |
| BASELINE | (Q-47211-069)AN/ULQ-16(V)1,2 COUNTERMEASURES RECEIVING SET CIRCUIT CARD ASSEMBLY (CCA) FAULTY. | REPAIR/REPLACE CIRCUIT CARD ASSEMBLY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: I-47311-001- -AN/SLQ25( ) TORP CM - INSP/TST |              |               | MJC: CXECI077 |                   | Rev Date: 7/15/2010 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-47311-001)THE AN/SLQ-25( ) TORPEDO COUNTERMEASURE SET, WINCH ASSEMBLY, TOWING CABLES AND TOWED BODIES (NIXIE) REQUIRES INSPECTION. | INSPECT AND TEST THE AN/SLQ-25( ) TORPEDO COUNTERMEASURE SET, WINCH ASSEMBLY, TOWING CABLES AND TOWED BODIES (NIXIE). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|---------------------------------------------------------------|---------|---------------|---------------|------------|-----------------------|
| Task/Abbreviation: O-47311-010- -EC 15 SLQ-25A LFOTC - ACCOMP |         |               | MJC: CXSAO168 |            | Rev Date: 6/7/2006    |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:     |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 3 | Alt No: EC 15 TOW CBL |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3        |            |                       |

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| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                      |
| BASELINE | (O-47311-10) EC 15 AN/SLQ-25A LFOTC, LITTORAL FIBER OPTIC TOW CABLE, NOT ACCOMPLISHED. | ACCOMPLISH EC 15 WHICH REPLACES THE EXISTING FIBER OPTIC TOW CABLE (FOTC) WITH A LITTORAL FIBER OPTIC TOW CABLE (LFOTC) WHICH WAS DEVELOPED TO PERMIT THE USAGE OF THE AN/SLQ-25A IN A SHALLOW WATER ENVIRONMENT. POC: THOMAS BIEBER, 717-605-7889, THOMAS.BIEBER@NAVY.MIL |

|                                                                   |  |                     |  |                      |  |                            |  |                          |  |                      |  |
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| <b>Task/Abbreviation:</b> O-47311-012- -EC 10 AN/SLQ-25A - ACCOMP |  |                     |  | <b>MJC:</b> EXSAO124 |  | <b>Rev Date:</b> 9/29/2006 |  |                          |  |                      |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                      |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 2        |  | <b>Alt No:</b> EC 10 |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                      |  |

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|----------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                                                    | <b>Recommended Solution:</b>                                                                                                                                                                                                    |
| BASELINE       | (O-47311-12) EC 10 AN/SLQ-25A, COTS SIGNAL GENERATOR UPGRADE, NOT ACCOMPLISHED | ACCOMPLISH EC 10 AN/SLQ-25A WHICH REPLACES EXISTING SIGNAL GENERATOR DRAWER 2A1 OF UNIT 2 WITH COTS VME SIGNAL GENERATOR DRAWER, ELIMINATING MANY OBSOLESCEENT PARTS ISSUES AS WELL AS FACILITATING FUTURE OPERATIONAL UPGRADE. |

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| <b>Task/Abbreviation:</b> O-47311-013- -EC 12 AN/SLQ-25A - ACCOMP |                                                                                 |                                                                                                                                                                                                                                                               |                   | <b>MJC:</b> EXSAO125 | <b>Rev Date:</b> 8/30/2006 |
| <b>RCM Analysis:</b>                                              | <b>Scheduled:</b> N                                                             | <b>Sit Reqs:</b>                                                                                                                                                                                                                                              |                   | <b>Qty:</b> 1        | <b>Removal Required:</b>   |
| <b>Lvl of Maint:</b> 1                                            | <b>Freq:</b> 0                                                                  | <b>Equip/Task:</b> 1                                                                                                                                                                                                                                          | <b>Matl Cost:</b> | <b>ManDays:</b> 1    | <b>Alt No:</b> EC 12       |
| <b>Referenced Authority:</b>                                      | <b>Repair Pool:</b>                                                             | <b>MCC:</b> 3                                                                                                                                                                                                                                                 |                   |                      |                            |
| <b>Reason:</b>                                                    | <b>Problem Description:</b>                                                     | <b>Recommended Solution:</b>                                                                                                                                                                                                                                  |                   |                      |                            |
| BASELINE                                                          | (O-47311-13) EC 12 AN/SLQ-25A, IMPROVED RELIAILITY OF TURN ON, NOT ACCOMPLISHED | ACCOMPLISH EC 12 AN/SLQ-25A WHICH REPLACES EXISTING POWER ON RESET TIMING SIGNAL WITH AN IMPROVED VERSION THAT WILL REDUCE OR TOTALLY ELIMINATE RANDOM FAILURES THAT OCCUR WHEN POWER IS SWITCHED ON. POC: KENNETH LEONARD 757-424-6311, KEN.LEONARD@GDIT.COM |                   |                      |                            |



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| <b>Task/Abbreviation:</b> O-47311-016- -EC 16 SLQ-25 SSTD RMC - ACCOMP |                                                                          |                                                                                                                                                                                                    |                   | <b>MJC:</b> CXSAO202 | <b>Rev Date:</b> 8/11/2006 |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N                                                      | <b>Sit Reqs:</b>                                                                                                                                                                                   |                   | <b>Qty:</b> 1        | <b>Removal Required:</b>   |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0                                                           | <b>Equip/Task:</b> 1                                                                                                                                                                               | <b>Matl Cost:</b> | <b>ManDays:</b> 3    | <b>Alt No:</b> EC 16       |
| <b>Referenced Authority:</b>                                           | <b>Repair Pool:</b>                                                      | <b>MCC:</b> 3                                                                                                                                                                                      |                   |                      |                            |
| <b>Reason:</b>                                                         | <b>Problem Description:</b>                                              | <b>Recommended Solution:</b>                                                                                                                                                                       |                   |                      |                            |
| BASELINE                                                               | (O-47311-16) EC 16 AN/SLQ-25A SSTD (RMC), RMC UPGRADE, NOT ACCOMPLISHED. | ACCOMPLISH EC 16 AN/SLQ-25A SSTD (RMC) WHICH WAS DEVELOPED TO PERMIT THE USAGE OF THE AN/SLQ-25A SSTD (RMC) IN A SHALLOW WATER ENVIRONMENT. POC: CLYDE MCCOOK, 757-424-6311, CLYDE.MCCOOK@GDIT.COM |                   |                      |                            |

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| Task/Abbreviation: I-47411-016- -MK 36 DLS SRBOC - MRC A2D5 |  |              | MJC: CXECIAS7 |               | Rev Date: 9/9/2009 |            |                   |            |         |  |
| RCM Analysis: 5/1/2007                                      |  | Scheduled: Y |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 24     |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 5 | Alt No: |  |
| Referenced Authority:                                       |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-47411-016)THE MK 36 DECOY LAUNCHING SYSTEM (DLS) SUPER RAPID BLOOMING OFF-BOARD CHAFF (SRBOC) REQUIRES ASSESSMENT. | ACCOMPLISH THE MK 36 DECOY LAUNCHING SYSTEM (DLS) SUPER RAPID BLOOMING OFF-BOARD CHAFF (SRBOC) ASSESSMENT IN ACCORDANCE WITH MRC A2D5 AS FOLLOWS: 1. PERFORM PHYSICAL INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: O-47411-028- -ORDALT 16861 - ACCOMP |              |               | MJC: CXSAO142 |                   | Rev Date: 5/25/2006 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No: OA 16861    |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                            |
| BASELINE | (O-47411-28) ORDALT 16861, SRBOC SAFE/FIRE SAFETY SWITCH UPGRADE, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16861 WHICH INSTALLS SRBOC SAFE/FIRE SAFETY SWITCH UPGRADE, TO ADD A SECOND FUNCTIONAL SAFING REQUIREMENT TO PREVENT A SAFETY CONDITION IF A SINGLE WIRE IS SHORTED. THIS ORDALT REWIRES THE SAFE/FIRE SWITCH IN THE MK137 LAUNCHERS AND TWO RELAYS IN THE MK160 POWER SUPPLY. |

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| Task/Abbreviation: Q-48223-002- -MK 23 TAS ANT/PED - REPL/TST |              |               | MJC: CXECQ059  |                   | Rev Date: |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |           |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20       | Alt No:   |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-48223-002)ANTENNA REQUIRES REPLACEMENT | REPLACE THE MK 48 MOD ( )/MK 23 TARGET ACQUISITION SYSTEM RADAR ANTENNA AND PEDESTAL PER CONDITION ASSESSMENT RECOMMENDATIONS AND IN ACCORDANCE WITH THE APPLICABLE TECHNICAL MANUAL. ACCOMPLISH A PRE-INSTALLATION OPERATIONAL TEST OF THE NEW ANTENNA SET AND A VOLTAGE STANDING WAVE RATIO (VSWR) AND INSERTION LOSS TESTS TO THE SHIPBOARD INSTALLED WAVEGUIDE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVE SATISFACTORY OPERATION BY APPROPRIATE STAGE OF COMBAT SYSTEM TESTING. NOTE: 1. IFF IS RELATED MAINTENANCE. |

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| Task/Abbreviation: Q-48223-003- -MK 23 TAS XMTR CLR - REPL/TST |         |               | MJC: CXECQ060  |             | Rev Date:         |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 1      | Removal Required: |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10 | Alt No:           |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3         |             |                   |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-48223-003)COOLER REQUIRES REPLACEMENT | REPLACE THE MK 6 MOD ( )/MK 23 SERIES TARGET ACQUISITION SYSTEM (TAS) TRANSMITTER COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE THE TRANSMITTER COOLER AND SHIP TO THE DESIGNATED REPAIR FACILITY. INSTALL REPLACEMENT UNIT. PROVE SATISFACTORY OPERATION BY APPROPRIATE STAGE OF COMBAT SYSTEM TESTING. NOTE: 1. CONTACT NAVAL SURFACE WARFARE CENTER PORT HUENEME (CODE 4Y53) FOR TRANSMITTER COOLER INSTRUCTIONS. |

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| Task/Abbreviation: O-48223-004- -ORDALT 16347 - ACCOMP |  |              |  | MJC: CXSAO062 |  | Rev Date:  |  |                   |  |                  |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1     |  | Removal Required: |  |                  |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: |  | ManDays: 1        |  | Alt No: OA 16347 |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |            |  | MCC: 3            |  |                  |  |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                |
| BASELINE | (O-48223-4) ORDALT 16347, CORRECT MAN ALOFT CIRCUITRY, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16347 WHICH FOR THE TAS MK 23 MOD 5- 8 STABILIZATION DRIVE CONTROL, MK 150 MOD 1, CORRECTS MAN ALOFT CIRCUITRY. WIRING CHANGE TO P/N 2935275 ASSY. |

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| Task/Abbreviation: O-48223-005- -ORDALT 16266 - ACCOMP |              |               | MJC: CXSAO075 |                   | Rev Date:        |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                  |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: OA 16266 |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                  |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                            |
| BASELINE | (O-48223-5) ORDALT 16266, HVPS BIAS RESISTOR MOUNTING, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16266 WHICH ADDS A ROD BETWEEN THE UPPER AND THE LOWER RESISTOR MOUNTS IN THE CENTER OF THE POWER RESISTORS. NOTE: AIT IS FTSC LANT. POC IS FTSC , BILL MYRICK, PHONE 757-443-3872, EXT. 2253. |

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| Task/Abbreviation: I-48223-011- -MK 23 TAS XMTR CLR - MRC FAVE |              |               | MJC: CXECI853 |                   | Rev Date: 2/23/2011 |
| RCM Analysis: 8/2/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-48223-011)THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 6 MOD 1 TRANSMITTER COOLER REQUIRES ASSESSMENT. | ACCOMPLISH THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 6 MOD 1 TRANSMITTER COOLER ASSESSMENT IN ACCORDANCE WITH MRC FAVE AS FOLLOWS: 1. TEST TRANSMITTER COOLER (TC) STATUS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-48223-012- -MK 23 TAS RADAR RCVR- MRC FAVK |              |               | MJC: CXECI854 |                   | Rev Date: 3/25/2011 |
| RCM Analysis: 12/11/2006                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-48223-012) THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 64 MOD 1 RADAR RECEIVER REQUIRES ASSESSMENT. | ACCOMPLISH THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) ASSESSMENT IN ACCORDANCE MRC FAVK AS FOLLOWS: 1. TEST RECEIVER MINIMUM DISCERNIBLE SIGNAL. PROVIDE CONDITION REPORT TO MAINTTEAM AND ANY REQUIRED REPAIR JOBS FOR SRA WILL BE SUBMITTED WITH NEW JSNS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. |

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| Task/Abbreviation: I-48223-014- -MK 23 TAS RADAR XMTR- MRC FAVN |         |               | MJC: CXECI856 |            | Rev Date: 2/23/2011 |
| RCM Analysis: 8/2/2004                                          |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:   |
| Lvl of Maint: 3                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No:             |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3        |            |                     |

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| Reason:  | Problem Description:                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-48223-014)THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 80 MOD 1 RADAR TRANSMITTER REQUIRES ASSESSMENT. | ACCOMPLISH THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 80 MOD 1 RADAR TRANSMITTER IN ACCORDANCE WITH MRC FAVN AS FOLLOWS: 1. TEST RADAR TRANSMITTER. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-48223-015- -MK 23 TAS IFF SOT - MRC FMSJ |  |              | MJC: CXECI857 |               | Rev Date: 2/23/2011 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                        |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-48223-015)THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC FMSJ AS FOLLOWS: 1. PERFORM TAS MK 23/IFF SYSTEM OPERABILITY TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-48223-016- -MK 23 TAS RADAR XMTR- MRC FSVK |              |               | MJC: CXECI858 |                   | Rev Date: 2/23/2011 |
| RCM Analysis: 2/7/2005                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-48223-016)THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 80 MOD 1 RADAR TRANSMITTER REQUIRES ASSESSMENT. | ACCOMPLISH THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 80 MOD 1 RADAR TRANSMITTER ASSESSMENT IN ACCORDANCE WITH MRC FSVK AS FOLLOWS: 1. TEST LOW-VOLTAGE POWER SUPPLY (LVPS) COOLANT FLOW SWITCHES 7A2S4 AND 7A2S5. 2. TEST HIGH-VOLTAGE POWER SUPPLY (HVPS) COOLANT FLOW SWITCH 7A3S2. 3. TEST TRANSMITTER CONTROL UNIT (TCU) COOLANT FLOW SWITCH 7A1S2. 4. TEST TRAVELING WAVE TUBE (TWT) COOLANT FLOW SWITCH 7S1. 5. TEST MICROWAVE ASSEMBLY (MA) COOLANT FLOW SWITCHES 8S1 AND 8S2. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-48223-026- -MK-23 TAS RCVR CCA-REP/REPL |              | MJC: CXECQ213 | Rev Date: 5/2/2007 |                   |         |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1             | Removal Required: |         |
| Lvl of Maint: 4                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 15,522  | ManDays: 2        | Alt No: |
| Referenced Authority:                                        | Repair Pool: | MCC: 3        |                    |                   |         |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                          |
| BASELINE | (Q-48223-026)MK 23 TARGET ACQUISITION SYSTEM RECEIVER CIRCUIT CARD ASSEMBLY (CCA) FAULTY. | REPAIR/REPLACE MK 23 TARGET ACQUISITION SYSTEM RECEIVER CIRCUIT CARD. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-48223-027- -MK 23 TAS FLOW SW-REP/REPL |         |               | MJC: CXECQ214  |            | Rev Date: 5/2/2007 |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:      | Qty: 1     | Removal Required:  |
| Lvl of Maint: 4                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 145 | ManDays: 1 | Alt No:            |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                         |
| BASELINE | (Q-48223-027)MK 23 TARGET ACQUISITION SYSTEM FLOW SWITCH FAULTY. | REPLACE MK 23 TARGET ACQUISITION SYSTEM FLOW SWITCH. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| <b>Task/Abbreviation:</b> Q-48223-028- -MK 23 TAS XMTR MODULE-REP/REPL |                     | <b>MJC:</b> CXECQ215 | <b>Rev Date:</b> 5/2/2007 |                          |                |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1             | <b>Removal Required:</b> |                |
| <b>Lvl of Maint:</b> 4                                                 | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 1,842   | <b>ManDays:</b> 2        | <b>Alt No:</b> |
| <b>Referenced Authority:</b>                                           | <b>Repair Pool:</b> | <b>MCC:</b> 3        |                           |                          |                |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                   | <b>Recommended Solution:</b>                                                                                                                                                                     |
| BASELINE       | (Q-48223-028)MK 23 TARGET ACQUISITION SYSTEM RADAR TRANSMITTER MODULE FAULTY. | REPAIR/REPLACE MK 23 TARGET ACQUISITION SYSTEM RADAR TRANSMITTER MODULE. ACCOMPLISH A SATISFACTORY OPERATIONALTEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-48223-029- -MK 23 TAS SUBMICRON FLTR-REPL |              | MJC: CXECQ216 | Rev Date: 5/2/2007 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1             | Removal Required: |         |
| Lvl of Maint: 4                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 78      | ManDays: 1        | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 3        |                    |                   |         |

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| Reason:  | Problem Description:                                                                     | Recommended Solution:                                                                                                                                                                                      |
| BASELINE | (Q-48223-029)MK 23 TARGET ACQUISITION SYSTEM RADAR TRANSMITTER SUBMICRON FILTERS FAULTY. | CLEAN/REPLACE MK 23 TARGET ACQUISITION SYSTEM RADAR TRANSMITTER SUBMICRON FILTERS. ACCOMPLISH A SATISFACTORY OPERATIONALTEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |



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| Task/Abbreviation: I-48223-031- -MK 23 TAS XMTR CLR - MRC N1W8 |  |              | MJC: CEXECICO4 |               | Rev Date: 2/23/2011 |            |                   |            |         |  |
| RCM Analysis: 6/6/2005                                         |  | Scheduled: Y |                | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                |  | Freq: 24     |                | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                          |  |              | Repair Pool:   |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-48223-031)THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 6 MOD 1 TRANSMITTER COOLER REQUIRES ASSESSMENT. | ACCOMPLISH THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 6 MOD 1 TRANSMITTER COOLER ASSESSMENT IN ACCORDANCE WITH MRC N1W8 AS FOLLOWS: 1. PERFORM MATERIAL CONDITION INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-48223-032- -MK 23 TAS ANT PED - MRC N1W9 |  |              | MJC: CXCICO5 |               | Rev Date: 2/23/2011 |            |                   |            |         |  |
| RCM Analysis: 6/6/2005                                        |  | Scheduled: Y |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 24     |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 2 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool: |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-48223-032)THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 48 ANTENNA PEDESTAL GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 48 ANTENNA PEDESTAL GROUP ASSESSMENT IN ACCORDANCE WITH MRC N1W9 AS FOLLOWS: 1. PERFORM MATERIAL CONDITION INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                               |  |              |  |                |  |                     |  |                   |  |         |  |
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| Task/Abbreviation: I-48223-033- -MK 23 TAS ANT PED - MRC N1X2 |  |              |  | MJC: CEXECICO6 |  | Rev Date: 2/23/2011 |  |                   |  |         |  |
| RCM Analysis: 6/6/2005                                        |  | Scheduled: N |  | Sit Reqs:      |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |  | Equip/Task: 1  |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:   |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-48223-033)THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 48 ANTENNA PEDESTAL GROUP REQUIRES ASSESSMENT. | ACCOMPLISH THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 48 ANTENNA PEDESTAL GROUP ASSESSMENT IN ACCORDANCE WITH MRC N1X2 AS FOLLOWS: 1. PERFORM VIBRATION ANALYSIS TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. THIS TASK IS TO ONLY BE PERFORMED BY THE ISEA, NSWC PHD.POC: TIM RATTO, (805) 228-6371, TIMOTHY.RATTO@NAVY.MIL. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                                 |              |               |                |                   |                     |
|-----------------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: I-48223-A01- -MK 23 TAS RADAR RCVR- MRC FAVK |              |               | MJC: CEXECIDN2 |                   | Rev Date: 3/28/2011 |
| RCM Analysis: 12/11/2006                                        | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-48223-A01) THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) MK 64 MOD 1 RADAR RECEIVER REQUIRES ASSESSMENT. | ACCOMPLISH THE MK 23 (ALL MODS) TARGET ACQUISITION SYSTEM (TAS) ASSESSMENT IN ACCORDANCE MRC FAVK AS FOLLOWS: 1. TEST RECEIVER MINIMUM DISCERNIBLE SIGNAL. PROVIDE CONDITION REPORT TO MAINTTEAM AND ANY REQUIRED REPAIR JOBS FOR SRA WILL BE SUBMITTED WITH NEW JSNS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. |

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| Task/Abbreviation: I-49111-015- -AN/USQ-T46 - INSP/TST |              |               | MJC: CXECI430 |                   | Rev Date: 10/5/2010 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 5        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                     |
| BASELINE | (I-49111-015)AN/USQ-T46 BATTLE FORCE TACTICAL TRAINING SYSTEM REQUIRES INSPECTION. | INSPECT AND TEST AN/USQ-T46 BATTLE FORCE TACTICAL TRAINING SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|----------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-49111-016- -2M RPR - INSP/TST |              |               | MJC: OXECI039 |                   | Rev Date: 3/25/2010 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                    | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 4        | Alt No:             |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                     |
| BASELINE | (I-49111-016)MICRO MINIATURE REPAIR STATION AND CERTIFICATION REQUIRES INSPECTION. | INSPECT AND TEST MICRO MINIATURE REPAIR STATION AND CERTIFICATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-49271-006- -OLS SYS - INSP/TST (AMPH) |         |               | MJC: CXECI180 |            | Rev Date: 7/2/2007 |
| RCM Analysis:                                              |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:  |
| Lvl of Maint: 3                                            | Freq: 0 | Equip/Task: 0 | Matl Cost:    | ManDays: 3 | Alt No:            |
| Referenced Authority:                                      |         | Repair Pool:  | MCC: 3        |            |                    |

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| Reason:  | Problem Description:                                                                       | Recommended Solution:                                                                                                                                                                                                                                             |
| BASELINE | (I-49271-006)THE VSTOL OLS MK11 MOD0 SYSTEM (AMPHIBIOUS ASSAULT SHIP) REQUIRES INSPECTION. | INSPECT AND TEST THE VSTOL OLS MK11 MOD0 SYSTEM (AMPHIBIOUS ASSAULT SHIP). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-49271-007- -OLS SYS - RPR (AMPH) |              |               | MJC: CXCQ137     |                   | Rev Date: 8/28/2003 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                     |
| Lvl of Maint: 3                                       | Freq: 0      | Equip/Task: 0 | Matl Cost: 1,000 | ManDays: 3        | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                          |
| BASELINE | (Q-49271-007)MK11 VSTOL OLS SYSTEM REQUIRES REPAIR | REPAIR THE VSTOL OLS MK11 MOD0 SYSTEM (AMPHIBIOUS ASSAULT SHIP) PER CONDITION ASSESSMENT RECOMMENDATIONS. NOTE: 1. REPAIR FACILITY TO BE DESIGNATED BY NAVAIR. |



|                                                  |              |               |               |                   |                     |
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| Task/Abbreviation: I-49311-027- -SNAP - INSP/TST |              |               | MJC: OXECI040 |                   | Rev Date: 2/22/2011 |
| RCM Analysis:                                    | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                  | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                            |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                       |
| BASELINE | (I-49311-027)THE SHIP'S NONTACTICAL AUTOMATED PROCESSING SYSTEM REQUIRES INSPECTION. | INSPECT AND TEST THE SHIP'S NONTACTICAL AUTOMATED PROCESSING SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-49311-043- -AN/UYK-158 SNAP III - MRC A1M7 |              |               | MJC: CXCIBH2 |                   | Rev Date: 2/22/2011 |
| RCM Analysis: 8/2/2004                                          | Scheduled: N | Sit Reqs:     | Qty: 1       | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:   | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3       |                   |                     |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-49311-043)THE AN/UYK-158 SNAP III REQUIRES ASSESSMENT. | ACCOMPLISH THE AN/UYK-158 SNAP III ASSESSMENT IN ACCORDANCE WITH MRC A1M7 AS FOLLOWS: 1. INSPECT SYSTEM HARDWARE. 2. PERFORM OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: K-49311-051- -SHIPALT LHA1-01145K - ACCOMP |         |               | MJC: EXSAK609     |              | Rev Date: 10/5/2005   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:         | Qty: 1       | Removal Required:     |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 89,606 | ManDays: 426 | Alt No: SALHA 01145 K |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3            |              |                       |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                             |
| BASELINE | (K-49311-51) SHIPALT LHA1-01145K, CND-IDS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01145K WHICH INSTALLS A COMPUTER NETWORK DEFENSE (CND) INTRUSION DETECTION SYSTEM (IDS) THAT WILL PROVIDE HIGH-AVAILABILITY PROTECTION AND DETECTION CAPABILITIES TO THE SHIPBOARD NETWORKS AND IS A CRITICAL COMPONENT OF THE DEFENSE IN DEPTH STRATEGY. |

|                       |  |                                            |  |               |  |                      |  |                   |  |                       |  |
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| Task/Abbreviation:    |  | K-49311-054- -SHIPALT LHA1-01161K - ACCOMP |  | MJC: EXSAK624 |  | Rev Date: 10/24/2005 |  |                   |  |                       |  |
| RCM Analysis:         |  | Scheduled: N                               |  | Sit Reqs:     |  | Qty: 1               |  | Removal Required: |  |                       |  |
| Lvl of Maint: 1       |  | Freq: 0                                    |  | Equip/Task: 1 |  | Matl Cost: 108,018   |  | ManDays: 676      |  | Alt No: SALHA 01161 K |  |
| Referenced Authority: |  | Repair Pool:                               |  | MCC: 3        |  |                      |  |                   |  |                       |  |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (K-49311-54) SHIPALT LHA1-01161K, CND-EFW, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01161K, CND-EFW WHICH INSTALLS THE EMBEDDED FIREWALL (EFW) AUGUMENTS UNIT LEVEL COMPUTER NETWORK DEFENSE (CND) BY PROVIDING A DISTRIBUTED PACKET-FILTERING FIREWALL CAPABILITY WITH CENTRALIZED MANAGEMENT AND AUDITING. THE SYSTEM PROTECTS AGAINST BOTH INSIDER THREATS AND EXTERNAL ATTACKS. |

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| Task/Abbreviation: O-49311-055- -EC 3 AN/UYQ-96 - ACCOMP |              |               | MJC: EXSAO076 |                   | Rev Date: 11/2/2005    |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                        |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 5        | Alt No: EC 3 AN/UYQ-96 |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                        |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (O-49311-55) EC 3 AN/UYQ-96, CND-IDS SITE PROTECTOR 2.0, NOT ACCOMPLISHED | ACCOMPLISH EC 3 AN/UYQ-96 WHICH IS A SOFTWARE ONLY ECO AND HAS NO BEARING ON NOMENCLATURE OR TYPE DESIGNATION. THE CURRENTLY FIELDIED AN/UYQ-96 SOFTWARE REACHED VENDOR END OF LIFE AS OF 07/04 AND IS NO LONGER ELIGIBLE OF RECEIVING PRODUCT SUPPORT OR UPDATES. THIS LEAVES THE SHIP NETWORK SUSCEPTIBLE TO NEW ATTACKS AND EVASION TECHNIQUES WHICH WILL BE ALLEVIATED WITH THIS SOFTWARE UPGRADE. AS APPROVED IN SSIL-03-0069, REALSECURE WORKGROUP MANAGER 5.5 AND WORKGROUP MANAGER 6.5 WILL BE REPLACED WITH SITEPROTECTOR 2.0. NETWORK SENSOR 5.0 AND NETWORK SENSOR 6.5 WILL BE REPLACED WITH NETWORK SENSOR 7.0 AND SERVER SENSOR 6.5 WILL BE REPLACED WITH SERVER SENSOR 7.0 THIS SOFTWARE UPGRADE WILL SIGNIFICANTLY ENHANCE AN/UYQ-96S INTRUSION/ATTACK DETECTION CAPABILITY AND PLACE AN/UYQ-96 IN A VENDOR SUPPORTED STATUS FOR THE FORESEEABLE FUTURE. |

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| Task/Abbreviation: Q-49311-063- -AN/UYK-158 PWR SPLY-REPL |         |               | MJC: CEXECQ261   |            | Rev Date: 9/8/2006 |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:        | Qty: 1     | Removal Required:  |
| Lvl of Maint: 4                                           | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,985 | ManDays: 3 | Alt No:            |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 3           |            |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                     |
| BASELINE | (Q-49311-063)AN/UYK-158 SNAP III FAULTY POWER SUPPLY. | REPAIR/REPLACE POWER SUPPLY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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|-----------------------|---|------------------------------------------------------------|---|-------------|----------|----------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|---|---------|--|
| Task/Abbreviation:    |   | Q-49311-064- -NTCSS AN/UYK-158 -CLN/PRESERV                |   | MJC:        | CXECQ262 | Rev Date:                                                                                                                              | 9/8/2006 |                   |   |         |  |
| RCM Analysis:         |   | Scheduled:                                                 | N | Sit Reqs:   |          | Qty:                                                                                                                                   | 1        | Removal Required: |   |         |  |
| Lvl of Maint:         | 4 | Freq:                                                      | 0 | Equip/Task: | 1        | Matl Cost:                                                                                                                             |          | ManDays:          | 1 | Alt No: |  |
| Referenced Authority: |   | Repair Pool:                                               |   | MCC:        |          | 3                                                                                                                                      |          |                   |   |         |  |
| Reason:               |   | Problem Description:                                       |   |             |          | Recommended Solution:                                                                                                                  |          |                   |   |         |  |
| BASELINE              |   | (Q-49311-064)AN/UYK-158 SNAP III EQUIPMENT DIRTY/CORRODED. |   |             |          | CLEAN/PRESERVE EQUIPMENT. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |          |                   |   |         |  |

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| Task/Abbreviation: Q-49311-065- -NTCSS AN/UYK-158 HRD DR-REPL |         |               | MJC: CXECQ263  |            | Rev Date: 9/8/2006 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 1     | Removal Required:  |
| Lvl of Maint: 4                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 165 | ManDays: 2 | Alt No:            |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3         |            |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                           |
| BASELINE | (Q-49311-065)AN/UYK-158 SNAP III HASFAULTY HARDDRIVE. | REPLACE HARDDRIVE. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |



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| Task/Abbreviation: Q-49311-066- -NTCSS AN/UYK-158 COMP-REPL |                                                                                         | MJC: CEXECQ264                                                                                                                                  | Rev Date: 9/8/2006 |                   |         |
| RCM Analysis:                                               | Scheduled: N                                                                            | Sit Reqs:                                                                                                                                       | Qty: 1             | Removal Required: |         |
| Lvl of Maint: 4                                             | Freq: 0                                                                                 | Equip/Task: 1                                                                                                                                   | Matl Cost: 1,200   | ManDays: 1        | Alt No: |
| Referenced Authority:                                       | Repair Pool:                                                                            | MCC: 3                                                                                                                                          |                    |                   |         |
| Reason:                                                     | Problem Description:                                                                    | Recommended Solution:                                                                                                                           |                    |                   |         |
| BASELINE                                                    | (Q-49311-066)AN/UYK-158 SNAP III SYSTEM FAILS TO MEET MATERIAL CONDITIONS OF READINESS. | REPAIR/REPLACE DAMAGED COMPONENTS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                    |                   |         |

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| Task/Abbreviation: O-49311-112- -EC 73836 ISNS LAN - ACCOMP |              |               | MJC: CXSAO667 |                   | Rev Date: 5/3/2007 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: EC 73836   |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (O-49311-112) EC 73836 (SCD 3836), PEOC4I ISNS ATM LAN SLEP UPGRADE (EC62) , NOT ACCOMPLISHED | ACCOMPLISH EC 73836 (SCD 3836), ISNS LAN SLEP & GIGE LANS WHICH THIS PEO C4I & SPACE PMW-160 PROPOSES TO UPGRADE THE INTEGRATED SHIPBOARD NETWORKS SYSTEM (ISNS) AN/USQ-153(V)1 LAN IN AN EFFORT TO PROVIDE INCREASED DATA FLOW WITHIN THE EXISTING ARCHITECTURE TO SUPPORT OPERATIONS PRIOR TO THE INSTALLATION OF THE AN/USQ-153A(V)1 GIG-E LAN. THIS CHANGE IS ONLY APPLICABLE TO THE LCC, LHA AND LHD ATM LANS, ALL OTHERS HAVE LATER LAN CONFIGURATIONS. POC: TRAVIS SMITH, 619-437-2684, TRAVIS.R.SMITH@NAVY.MIL. |

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**Task/Abbreviation:** O-49311-122- -SWD 74844 NIAPS - ACCOMP**MJC:** XXSAO017**Rev Date:** 7/12/2007**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 0**Alt No:** SWD 74844**Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(O-49311-122) SWD 74844 NIAPS, NIAPS 1.2  
SIPRNET-SURF, NOT ACCOMPLISHED

ACCOMPLISH SWD 74844 NIAPS WHICH ENABLES SEA WARRIOR (REVOLUTION IN TRAINING) ONTO THE DEPLOYED SHIP WHICH ENABLES OFFICERS, ENLISTED AND JUNIOR ENLISTED PERSONNEL TO ACCESS MANDATORY TRAINING CONTENT AND CAREER MANAGEMENT THAT THEIR SHORE SIDE COUNTERPARTS HAVE. NIAPS ALSO PROVIDES A HIGHLY BANDWIDTH EFFICIENT REPLICATION MECHANISM (DISTANCE SUPPORT 3.0) THAT REPLACES MANUAL DELIVERY OF CONTENT (COMPACT DISCS VIA MAIL). NIAPS ALSO ENABLES SEVERAL KEY APPLICATIONS THAT INCLUDE: ELECTRONIC TECHNICAL AND MAINTENANCE MANUALS IN AN AUTOMATED AND HIGHLY CONFIGURATION MANAGEMENT CONTROLLED SYSTEM, STREAMLINED LOCK OUT TAG CAPABILITY, FULL SHIP AUTOMATED PREVENTIVE MAINTENANCE ACTION SCHEDULER, OPERATIONAL READINESS, AND A SAFETY MANAGEMENT SYSTEM. POC: MANUEL PANIS, 619-437-3999, MANUEL.PANIS@NAVY.MIL

|                                                               |              |               |               |                   |                       |
|---------------------------------------------------------------|--------------|---------------|---------------|-------------------|-----------------------|
| Task/Abbreviation: D-49311-156- -SHIPALT LHA1-73435D - ACCOMP |              |               | MJC: EXSAD596 |                   | Rev Date: 2/28/2008   |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 10 | ManDays: 10       | Alt No: SALHA 73435 D |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 1        |                   |                       |

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| Reason:  | Problem Description:                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (D-49311-156) SHIPALT LHA1-73435D, METBENCH CALIBRATION MGT SYS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-73435D WHICH INSTALLS MCMS, AN AFLOAT APPLICATION PROVIDING CALIBRATION RECALL, ASSET MANAGEMENT & TRACKING, WORK STATUS REPORTING, RESULTS CAPTURING, AND UP-LINING RESULTS DATA. THE SYSTEM REPLACES THREE LEGACY APPLICATIONS CURRENTLY INSTALLED AFLOAT APPLICATIONS (CRIS, AIS PC, & CRL). MCMS IS HOSTED ON A SINGLE MACHINE INSTALLED ABOARD AN AFLOAT VESSEL. USERS ARE ABLE TO INTERACT WITH MCMS VIA ANY STANDARD WEB BROWSER OVER THE SHIP'S NETWORK. POC: CATHERINE JOSE, 951-273-5213, CATHERINE.JOSE@NAVY.MIL. |

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| Task/Abbreviation: K-49311-188- -SWD 73564K NAVY CASH - ACCOMP |              |               | MJC: EXSAO301 |                   | Rev Date: 9/7/2011 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: SWD 73564  |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 1        |                   |                    |

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| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (O-49311-188) SWD 73564K SWD 1.4.6 NAVY CASH, NAVY CASH SWD 1.4.6, NOT ACCOMPLISHED | ACCOMPLISH SWD 73564K SWD 1.4.6 NAVY CASH WHICH UPDATES THE SYSTEM TO INCLUDE SECURITY PATCHES INCLUDING INFORMATION ASSURANCE VULNERABILITY (IAV) NOTICES AND COMPUTER TRACKING ORDERS (CTOS). THE SERVER OPERATING SYSTEM IS UPDATED FROM WINDOWS SERVER 2000 TO WINDOWS SERVER 2003. THE PRODUCT UPDATES INCLUDE AUTOMATION FOR REGULAR DUITES FOR THE DISBURSING OFFICER TO PREVENT MANUAL INTERVENTION AND PROVIDING REGULAR INFORMATION EXCHANGES BETWEEN SHIP AND SHORE INFORMATION STORES. POC: ED OLSEN, 717-605-7005, EDWARD.OLSEN@NAVY.MIL, OR ALAN MOSER, 757-836-3159, ALAN.MOSER1.CTR@NAVY.MIL, OR TORY MCCAIN, 202-781-3442, TORY.MCCAIN@NAVY.MIL OR SHARON MCILNAY, 202-781-2286, SHARON.A.MCILNAY@NAVY.MIL. |

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**Task/Abbreviation:** K-49311-208- -SWD 79377 - ACCOMP**MJC:** EXSAKA69**Rev Date:** 8/3/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 0**Alt No:** SWD 79377**Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(K-49311-208) SWD 79377 UPDATE ISNS TOOLKITS,  
UPDATE ISNS TOOLKITS, NOT ACCOMPLISHED

AIT INSTALLATION. ACCOMPLISH SWD 79377 UPDATE ISNS TOOLKIT WHICH UPDATES THE SOFTWARE LIST FOR THE ISNS AN/USQ-153. ISNS TOOLKIT 2.0.0 WAS IDENTIFIED IN SCDS 6089 AND 6111 FOR D(V)9 AND D(V)1, RESPECTIVELY. ISNS TOOLKIT 5.0.0 WAS IDENTIFIED IN SCD 7431 FOR (V)10. THIS SCD WILL MODIFY THE CONTENTS OF BOTH TO ADD AND REMOVE SOME SOFTWARE APPLICATIONS THE COST TO INSTALL WILL BE COVERED UNDER THE MENTIONED SHIP CHANGES (6089, 6111 AND 7431). TO MAINTAIN CONFIGURATION MANAGEMENT (CM) THE NEW VERSIONS OF TOOLKIT WILL BE ISNS TOOLKIT 2.1.0 AND 5.1.0. FROM BOTH ISNS TOOLKITS, DMS PROXY 1.0.0 & THE ISNS CORE SERVICES 1.0.0.0 VNE NCS 2.3.0 IS REMOVED. COLLABORATION AT SEA (CAS) 8.X, A CHAT CLIENT, WILL BE INSTALLED WITH THE ISNS BASELINE IN THE ISNS TOOLKIT 2.1.0 / 5.1.0. POC: ROB DIAZ, 619 524-7985, ROB.DIAZ@NAVY.MIL, OR RICH ORCHARD, 858 537-0592, RICHARD.ORCHARD@NAVY.MIL, OR SHARON MCILNAY, 202-781-2286, SHARON.A.MCILNAY@NAVY.MIL OR WILLIAM DELVALLE, 619-524-7882, WILLIAM.DELVALLE@NAVY.MIL OR MARK COOPER, 619-524-3540, MARK.COOPER@NAVY.MIL OR NIK SIMON, 858-537-0425, NIKOLAS.A.SIMON@NAVY.MIL.

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**Task/Abbreviation:** I-49321-003- -ICAS - MRC G1B4**MJC:** EXECI882**Rev Date:** 11/15/2010**RCM Analysis:** 7/12/2004**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 18**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-49321-003)THE INTEGRATED CONDITION ASSESSMENT SYSTEM (ICAS) REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE INTEGRATED CONDITION ASSESSMENT SYSTEM (ICAS) ASSESSMENT IN ACCORDANCE WITH MRC G1B4 AS FOLLOWS: 1. PERFORM OPERATIONAL TESTS OF ICAS WORKSTATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

|                                                              |         |               |            |               |                        |                     |  |
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| Task/Abbreviation: O-49411-005- -EC 4 AN/UMK-4A(V)1 - ACCOMP |         |               |            | MJC: CXSAO144 |                        | Rev Date: 8/30/2006 |  |
| RCM Analysis:                                                |         | Scheduled: N  | Sit Reqs:  |               | Qty: 1                 | Removal Required:   |  |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 1 | Matl Cost: | ManDays: 33   | Alt No: EC 4 AN/UMK-4A |                     |  |
| Referenced Authority:                                        |         | Repair Pool:  |            | MCC: 3        |                        |                     |  |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (O-49411-5) EC-4, AN/UMK-4A(V)1 NITES 2002 AFLOAT HW REFRESH, NOT ACCOMPLISH. | ACCOMPLISH EC-4 WHICH WILL INSTALL HARDWARE UPGRADES TO THE AN/UMK-4A(V)1 AFLOAT VARIANT NITES 2002 SYSTEM. THE HARDWARE UPGRADES INCLUDES THE FOLLOWING: UPGRADE THE SERVER CABINET INTERNAL COMPONENTS, DATA SERVERS AND NETWORK SWITCHES; UPGRADE THE CLASS AND UNCLASS WINDOWS WORKSTATIONS CPUS; UPGRADE THE CLASS AND UNCLASS WINDOWS WORKSTATIONS DISPLAYS; UPGRADE THE UNINTERRUPTIBLE POWER SUPPLIES (UPS) FOR ALL CLASS AND UNCLASS WINDOWS WORKSTATIONS; UPGRADE THE SCANNER FOR CLASS WINDOWS WORKSTATION NO. 3; UPGRADE THE CLASS AND UNCLASS LAPTOPS TO RUGGED LAPTOPS; UPGRADE THE CLASS UNIX WORKSTATION HUMAN MACHINE INTERFACE (HMI) DISPLAY AND UPGRADE THE CLASS NETWORK PRINTER. THESE UPGRADES WILL BRING THE NITES AFLOAT 2002 SYSTEM ONBOARD THESE SHIPS UP TO DATE ALONG WITH THE REST OF THE FLEET. |



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| Task/Abbreviation: O-49411-006- -FC 3 AN/SMQ-11C B/C - ACCOMP |         |               | MJC: CXSAO157 |             | Rev Date: 6/2/2006     |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:     |             | Qty: 1                 | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 20 | Alt No: FC 3 AN/SMQ-11 |                   |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3        |             |                        |                   |

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| Reason:  | Problem Description:                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                            |
| BASELINE | (O-49411-6) FC 3 AN/SMQ-11C B/C, SAT RCV PROC UPG-TECH RFSH, NOT ACCOMPLISHED. | ACCOMPLISH FC 3 AN/SMQ-11C B/C WHICH PROVIDES NEW FUNCTIONALITY NECESSARY TO PROCESS NEXT GENERATION OF ENVIRONMENTAL SATELLITE FAMILIES, ALONG WITH A PLANNED TECHNOLOGY REFRESH. EXISTING TAC-4 PROCESSING COMPUTER, CUSTOM RECEIVER/DEMODULAR, VIDEO , UPS AND PERIPHERAL DEVICES WILL BE REPLACED WITH MODULAR COTS DEVICES. |

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| Task/Abbreviation: O-49511-014- -SWD JSIPS-N5.0 SYQ-23 - ACCOMP |  |              |  | MJC: EXSAO091 |  | Rev Date:  |  |                   |  |                       |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1     |  | Removal Required: |  |                       |  |
| Lvl of Maint: 1                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: |  | ManDays:          |  | Alt No: SWD 5.0 JSIPS |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |            |  | MCC: 3            |  |                       |  |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                       |
| BASELINE | (O-49511-14) SWD 5.0, JSIPS SOFTWARE UPGRADE, NOT ACCOMPLISHED | ACCOMPLISH SWD 5.0 WHICH PROVIDES JSIPS-N 5.0 SOFTWARE WHICH IS COMPRISED OF SHIPBOARD JSIPS-N 4.0 BASELINE CONFIGURATION WITH UPGRADES TO THE PTW. THIS PROVIDES ACCELERATED STEREO WORKSTATION CAPABILITIES, AN SPF INTERFACE UPGRADE, SOURCE SELECTION ENHANCEMENTS AND INTEGRATION OF THE TPG INTO PTW. |

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| Task/Abbreviation: O-49511-027- -EC 77626 - ACCOMP |              |               | MJC: CXSAOAI9 |                   | Rev Date: 4/11/2011 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 15       | Alt No: EC 77626    |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (O-49511-27) SHIPALT EC 77626 CENTRIXS-M V1.1.4 SW INST, CENTRIXS-M V1.1.4 SW BLK II EC, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT EC 77626 WHICH IMPLEMENTS THE CENTRIXS-M SOFTWARE VERSION 1.1.4 ON THE AN/USQ-185(V)2 SYSTEMS. IT DOCUMENTS THE BASELINE SOFTWARE LOAD FOR THE BLK-II WITH ECO SYSTEM. THE SW LOAD IS AN UPDATE TO THE ORIGINAL BLK-II. THE NUMBER OF IAV AND OTHER PATCHES THAT MUST BE APPLIED TO THE EXISTING LOADS NOW EXCEEDS 100 UPDATES. AN UPDATE OF THE SOFTWARE IS REQUIRED TO BRING THE SYSTEM UP-TO-DATE. POC: ELIZABETH KNOX, 858.826.7194, KNOXET@SAIC.COM |

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| Task/Abbreviation: K-49531-015- -SHIPALT LHA1-01142K - ACCOMP |              |               | MJC: EXSAK622      |                   | Rev Date: 10/21/2005  |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1             | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 441,000 | ManDays: 360      | Alt No: SALHA 01142 K |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3             |                   |                       |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                   |
| BASELINE | (K-49531-15) SHIPALT LHA1-01142K ,GCCS-M GENSER 4.X (V)3, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01142K ,GCCS-M GENSER 4.X (V)3. |

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| Task/Abbreviation: K-49531-016- -SHIPALT LHA1-01144K - ACCOMP |         |               | MJC: EXSAK623      |              | Rev Date: 10/21/2005  |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:          |              | Qty: 1                | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 285,000 | ManDays: 300 | Alt No: SALHA 01144 K |                   |
| Referenced Authority:                                         |         | Repair Pool:  |                    | MCC: 3       |                       |                   |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (K-49531-16) SHIPALT LHA1-01144K, GCCS-M SCI 4.X(V)3, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01144K WHICH REMOVES ALL EXISTING GCCS-M HP UNIX SERVERS AND HP UNIX WORKSTATIONS ON THE SCI NETWORK. INSTALL FOUR SOLARIS UNIX SERVERS, EACH PAIR WITH AN UNINTERUPTIBLE POWER SUPPLY HOSTED IN ONE OF TWO EXISTING GCCS-M SHOCK HARDENED ENVIRONMENTAL CABINETS. MAKE AN IRIG-B CONNECTION FROM NAVSSIS RTS RACKS TO EACH OF THE NTP SERVER DEVICES. REPLACE ALL EXISTING GCCS-M HP UNIX WORKSTATION COMPUTERS WITH WINDOWS 2000 PCS WITH FLAT PANEL MONITORS, KEYBOARDS AND POINTING DEVICES. INSTALL TWO GALE LITE UNIX WORSTATIONS WITH FLAT PANEL MONITORS. INSTALL A LAN MULITPLEXER FOR SERIAL DATA COMMUNICATIONS FROM THE GENSER OL-530 RACK. CONNECT ALL SERVERS, AND CLIENT WORKSTATIONS TO THE SCI ISNS NETWORK AT 100MBPS. INSTALL GCCS-M 4.X SOFTWARE. |

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| Task/Abbreviation: O-49531-017- -EC 4.10 AN/USQ-172(V) - ACCOMP |  |              |  | MJC: EXSAO077 |  | Rev Date: 11/2/2005 |  |                   |  |                        |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |                        |  |
| Lvl of Maint: 1                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 30       |  | Alt No: EC 4.10 USQ172 |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |                        |  |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (O-49531-17) EC 4.10 AN/USQ-172(V), GENSER 4.0 SOFTWARE, NOT ACCOMPLISHED | ACCOMPLISH EC 4.10 WHICH PROVIDES UPGRADED SOFTWARE SEGMENTS TO THE AN/USQ-172(V) GCCS-M SYSTEM. THESE CHANGES INCLUDE SEGMENT UPDATES REQUIRED TO RESOLVE FUNCTIONALITY ISSUES WITH WATER SPACE MANAGEMENT COP SYNC TOOLS, MEDAL, MULTI TADIL. CAPABILITIES AND OVERLAYS AS AUTHORIZED VIA THE ENGINEERING CHANGE PROPOSAL: ECP-USQ172-002R1. |

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| Task/Abbreviation: O-49531-018- -EC 5.10 AN/USQ-172(V) - ACCOMP |              |               | MJC: EXSAO078 |                   | Rev Date: 10/27/2005   |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                        |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 30       | Alt No: EC 5.10 USQ172 |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                        |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (O-49531-18) EC 5.10 AN/USQ-172(V), NOT ACCOMPLISHED | ACCOMPLISH EC 5.10 WHICH PROVIDES UPGRADED SOFTWARE SEGMENTS TO THE AN/USQ-172(V) GCCS-M SYSTEM. THESE CHANGES INCLUDE SEGMENT UPDATES REQUIRED TO RESOLVE FUNCTIONALITY ISSUES WITH WATER SPACE MANAGEMENT, COP SYNC TOOLS, MEDAL, MULTI TADIL. CAPABILITIES AND OVERLAYS AS AUTHORIZED VIA THE ENGINEERING CHANGE PROPOSAL: ECP-USQ172-003R1. |

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| Task/Abbreviation: O-49531-053- -EC 74646 AN/USQ-172(V)- ACCOMP |              |               | MJC: EXSAO214 |                   | Rev Date: 6/1/2007 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: EC 74646   |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                     |
| BASELINE | (O-49531-53) EC 74646 PEOC4I (AN/USQ-172(V))(EC 4.12) GCCS-M GEN 4.0.1.2, NOT ACCOMPLISHED | ACCOMPLISH EC 74646 WHICH THIS SCD INTRODUCES USQ-172(V) EC 004 INCR 12 WHICH PROVIDES INSTALLATION INSTRUCTIONS AND LOGISTIC INFORMATION PERTAINING TO INSTALLING UPDATED SOFTWARE SEGMENTS REQUIRED IN ALL VARIANTS OF THE AN/USQ-172(V) TO ADDRESS DATA REPLICATION, SECURITY CONCERNS, AND DATA DISPLAY ENHANCEMENTS. |



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| Task/Abbreviation: O-49531-054- -EC 74654 AN/USQ-172(V)- ACCOMP |         |               | MJC: EXSAO215 |            | Rev Date: 6/1/2007 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:  |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 0 | Alt No: EC 74654   |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 2        |            |                    |

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| Reason:  | Problem Description:                                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (O-49531-54) EC 74654 PEOC4I (AN/USQ-172(V))<br>(EC5.12) GCCSM SCI 4.0.1.2, NOT ACCOMPLISHED | ACCOMPLISH EC 74654 WHICH THIS SCD INTRODUCES USQ-172(V)<br>EC 005 INCR 12 WHICH PROVIDES INSTALLATION INSTRUCTIONS<br>AND LOGISTIC INFORMATION PERTAINING TO INSTALLING UPDATED<br>SOFTWARE SEGMENTS REQUIRED IN ALL VARIANTS OF THE<br>AN/USQ-172(V) TO ADDRESS DATA REPLICATION, SECURITY<br>CONCERNS, AND DATA DISPLAY ENHANCEMENTS. |

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| Task/Abbreviation: O-49531-059- -SWD 71659 0 - ACCOMP |         |               | MJC: CXSAO739 |             | Rev Date: 7/18/2007 |                   |
| RCM Analysis:                                         |         | Scheduled: N  | Sit Reqs:     |             | Qty: 1              | Removal Required: |
| Lvl of Maint: 1                                       | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 30 | Alt No: SWD 71659 0 |                   |
| Referenced Authority:                                 |         | Repair Pool:  | MCC: 2        |             |                     |                   |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                        |
| BASELINE | (O-49531-59) SWD 71659 0, SOFTWARE FOR FLEET APP SERVER, NOT ACCOMPLISHED | ACCOMPLISH SWD 71659 0 WHICH PROVIDES SOFTWARE REQUIRED FOR THE FAS SERVER FOR INNOVATIVE READINESS REPORTING SYSTEM (IRRI) AND COLLABORATION AT SEA (CAS) TO OPERATE. POC: WILLIAM HILTABRAND, 757-836-6014, WILLIAM.HILTABRAND@NAVY.MIL OR DAWN ADAMS, 757-558-6721, DAWN.L.ADAMS@NAVY.MIL |

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| Task/Abbreviation: O-49531-060- -EC 75027 AN/USQ-119 - ACCOMP |              |               | MJC: CXSAO830 |                   | Rev Date: 10/4/2007 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: EC 75027    |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (O-49531-60) EC 75027 AN/USQ-119, (SCD 5027)<br>USQ-119 SCI SVR REP 37.00, NOT ACCOMPLISHED | ACCOMPLISH EC 75027 AN/USQ-119 ( SCD 5027), USQ-119 SCI SVR<br>REP 37.00 WHICH THIS ECO PROVIDES INSTALLATION<br>INSTRUCTIONS TO REPLACE EARLIER DEC, COMPAQ 1850R OR<br>COMPAQ DL380 G2 PC SERVERS WITH DL380 G3 PC SERVERS ON<br>THE HULLS LISTED IN TABLE 1. THIS REPLACEMENT IS NEEDED TO<br>MEET DEPARTMENT OF THE NAVY DIRECTIVE DON CIO 202259Z OCT<br>2005 WHICH REQUIRES REPLACEMENT OF THE WINDOWS NT OS<br>WITH THE WINDOWS 2000 OS. THE COMPAQ 1850R AND EARLIER PC<br>SERVERS CANNOT ACCOMMODATE THE NEWER OPERATING<br>SYSTEM. |

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| Task/Abbreviation: O-49531-061- -EC 75037 AN/USQ-119 - ACCOMP |              |               | MJC: CXSAO831 |                   | Rev Date: 10/4/2007 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No: EC 75037    |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                              |
| BASELINE | (O-49531-61) EC 75037 AN/USQ-119 (SCD 5037)<br>USQ-119(V) SCI WKSTA 38.00, NOT ACCOMPLISHED | ACCOMPLISH EC 75037 AN/USQ-119 (SCD 5037), USQ-119(V) SCI WKSTA 38.00 WHICH IS TO IMPLEMENT NEW AND INCREASED RUGGED TECHNOLOGY INTO THE GCCS-M SYSTEM BY OFFERING THE LATEST COTS EQUIPMENT. THIS ECO PROVIDES INSTRUCTIONS REQUIRED TO REPLACE EXISTING COMPUTER CPUS WITH MINI TOWER COMPUTERS. |

|                                                               |         |               |            |               |                    |
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| Task/Abbreviation: O-49531-062- -EC 75031 AN/USQ-119 - ACCOMP |         |               |            | MJC: CXSAO832 | Rev Date: 6/1/2010 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:  | Qty: 1        | Removal Required:  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: | ManDays: 0    | Alt No: EC 75031   |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2     |               |                    |

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| Reason:  | Problem Description:                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                              |
| BASELINE | (O-49531-62) EC 75031 AN/USQ-119 (SCD 5031) USQ-119(V) COMPOSE IN USQ-119, NOT ACCOMPLISHED | ACCOMPLISH EC 75031 AN/USQ-119 (SCD 5031), COMPOSE IN USQ-119 WHICH COMPOSE VERSION 2.00.03 PROVIDES THE WINDOWS 2000 OPERATING SYSTEM FOR BOTH SERVERS AND WORKSTATIONS. IT ALSO INSTALLA A COMBINATION OF COMMERCIAL OFF THE SHELF (COTS) AND GOVERNMENT OFF THE SHELF (GOTS) SOFTWARE PRODUCTS. |

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| Task/Abbreviation: K-49531-063- -SHIPALT LHA1 - 73819K - ACCOMP |              |               | MJC: EXSAK813 |                   | Rev Date: 10/11/2007  |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                       |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 256      | Alt No: SALHA 73819 K |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2        |                   |                       |

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| Reason:  | Problem Description:                                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (K-49531-63) SHIPALT LHA1 - 73819K PEOC4I AN/USQ-152A(V)1 TBMCS(SCD 3819) , NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1 - 73819K PEOC4I AN/USQ-152A(V)1, (SCD 3819) TBMCS WHICH THIS PERMANENT CHANGE UPGRADES THE EXISTING 1.1 CONFIGURATION THAT WAS PREVIOUSLY INSTALLED UNDER A TEMPORARY ALTERATION (TA-083) TO A 1.1.3 CONFIGURATION UNDER SHIPALT 1147K FOR LHA-1 CLASS SHIPS. THE SOFTWARE FOR THIS PERMANENT CHANGE WILL BE COVERED UNDER SCD CTN 2298 TBMCS SOFTWARE (EC-13). PER SA-1147K, THIS PERMANENT CHANGE PROVIDES A HARDWARE REPLACEMENT OF LEGACY HP-BASED SERVERS IN A 55" SERVER RACK AND DESKTOP CLIENTS (AN/USQ-152(V)1) ON THE GENSER ENCLAVE WITH A 72" SHOCK HARDENED SERVER RACK CONTAINING SOLARIS AND WINDOWS BASED SERVERS ALONG WITH SOLARIS AND WINDOWS BASED CLIENTS FOR BASELINE TBMCS 1.1.3 SOFTWARE. |

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| Task/Abbreviation: K-49531-064- -SHIPALT LHA1 - 72298K - ACCOMP |              |               | MJC: EXSAK814 |                   | Rev Date: 10/12/2007  |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                       |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: SALHA 72298 K |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2        |                   |                       |

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| Reason:  | Problem Description:                                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (K-49531-64) SHIPALT LHA1 - 72298K PEOC4I (AN/USQ152(V)) (EC13 Incr40) TBMCS SW(LCC/L (SCD 2298), NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-72298K PEOC4I (AN/USQ152(V)) (EC13 Incr40) TBMCS SW(LCC/L, (SCD 2298) TBMCS WHICH THE THEATER BATTLE MANAGEMENT CORE SYSTEMS (TBMCS) PROGRAM PROVIDES THE COMBAT AIR FORCES (CAF) AND THE JOINT/COMBINED FORCES WITH AN AUTOMATED AND INTEGRATED CAPABILITY TO PLAN AND EXECUTE THE AIR BATTLE PLAN FOR OPERATIONS AND INTELLIGENCE PERSONNEL AT THE FORCE AND UNIT LEVELS. IT ALLOWS GROUND COMMANDERS TO NOMINATE, TRACK, AND VERIFY TARGETS IN THE AIR TASKING ORDER (ATO). ECO-013 INCREMENT 40 PROVIDES INSTRUCTIONS AND ILS DATA UPDATES SUPPORTING SOLARIS SOFTWARE INSTALLATION IN THE AN/USQ-152A(V)1 TBMCS SYSTEM. THIS CHANGE SATISFIES CRITERIA FOR SCD PHASE IIA DEVELOPMENT FOR INTERNAL EQUIPMENT MODIFICATION. POC, FCCM SCOTT RUHLE, 619-524-7560, SCOTT.RUHLE@NAVY.MIL. |

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| Task/Abbreviation: K-49531-065- -SHIPALT LHA1 - 73606K - ACCOMP |              |               | MJC: EXSAK815 |                   | Rev Date: 10/12/2007  |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                       |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: SALHA 73606 K |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2        |                   |                       |

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| Reason:  | Problem Description:                                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (K-49531-65) SHIPALT LHA1 - 73606K PEOC4I AN/USQ-152(V) TBMCS EC13 Incr 41 SW Ver 2 L (SCD 3606), NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1 - 73606K PEOC4I AN/USQ-152(V) TBMCS EC13 Incr 41 SW Ver 2 L, (SCD 3606) TBMCS WHICH PROVIDES THE COMBAT AIR FORCES (CAF) AND THE JOINT/COMBINED FORCES WITH AN AUTOMATED AND INTEGRATED CAPABILITY TO PLAN AND EXECUTE THE AIR BATTLE PLAN FOR OPERATIONS AND INTELLIGENCE PERSONNEL AT THE FORCE AND UNIT LEVELS. REQUIRED MAINTENANCE SERVICE PACKS ARE FOR SECURITY AND FUNCTIONALITY IMPROVEMENTS. SERVICE PACK 5 (SP5) IS FOR THE SUN V440 SERVER. WHILE STILL ABLE TO BE OPERATED UNDER THE SOLARIS 8 OPERATING SYSTEM IT REQUIRES A NEWER RELEASE THAN WHAT WAS BASELINED IN TBMCS V1.1.3. SERVICE PACK 6 (SP6) IS AN UPGRADE OF THE MODERNIZED INTEGRATED DATABASE (MIDB) FROM ZEUS PATCH 1 TO ZEUS PATCH 2. SERVICE PACK 8 (SP8) PROVIDES UPDATED SOLARIS AND WINDOWS 2000 (W2K) WINDOWS VENDOR SOFTWARE PATCHES AND INSTALLATION INSTRUCTIONS FOR FIELDLED TBMCS V1.1.3 SOLARIS AND W2K PLATFORMS. SERVICE PACK 9 (SP9) PROVIDES THE SYMANTEC MAIL SECURITY FOR MICROSOFT EXCHANGE (SMSMSE) ANTI-VIRUS (AV) PRODUCT FOR THE FIELDLED TBMCS V1.1.3. POC, FCCM SCOTT RUHLE, 619-524-7560, SCOTT.RUHLE@NAVY.MIL. |



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| Task/Abbreviation: O-49531-072- -SWD 75058 0 - ACCOMP |              |               | MJC: EXSAO234 |                   | Rev Date: 8/2/2011  |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: SWD 75058 0 |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | SWD 75058 0- AFLOAT READINESS REPORTING SYSTEM (LHA/LHD/LCC), (SCD 5058, NOT ACCOMPLISHED | ACCOMPLISH SWD 75058 0 AFLOAT READINESS REPORTING SYSTEM (LHA/LHD/LCC), (SCD 5058) WHICH THE DEFENSE READINESS REPORTING SYSTEM NAVY (DRRS-N) AND DISTANCE SUPPORT (DS) SYSTEMS WILL BE CONSOLIDATED AND INSTALLED UNDER THE NOMENCLATURE (AN/USQ-173) AND NAMED AFLOAT READINESS REPORTING SYSTEM / DISTANCE SUPPORT (ARRS/DS). EXISTING FLEET APPLICATION SERVER (FAS) HARDWARE, WERE PREVIOUSLY INSTALLED, WILL BE REMOVED AND REPLACED WITH ARRS/DS EQUIPMENT. THE ARRS/DS SYSTEM TO BE ADDED TO THE GENSER ENCLAVE CONSISTS OF A 72 ENVIRONMENTALLY CONDITIONED RACK CONTAINING: TWO DL 380 G4 SERVERS, ONE ML 370-G4 (DS) SERVER, ONE TIGERSHARK SERVER INTERFACE ASSEMBLY, TWO 2.4KVA UPS, AND TWO POWER DISTRIBUTION ASSEMBLIES. POC, ARTHUR MAHONY, 202-781-2274, ART.MAHONY@NAVY.MIL. |

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| Task/Abbreviation: I-49541-007- -SPINTCOM - MRC A2F3 |  |              | MJC: CEXECIC50 |               | Rev Date: 2/22/2011 |            |                   |            |         |  |
| RCM Analysis: 1/3/2005                               |  | Scheduled: N |                | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                      |  | Freq: 0      |                | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                |  |              |                | Repair Pool:  |                     |            | MCC: 3            |            |         |  |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-49541-007)THE TACTICAL INTELLIGENCE REQUIRES ASSESSMENT. | ACCOMPLISH THE TACTICAL INTELLIGENCE ASSESSMENT IN ACCORDANCE WITH MRC A2F3 AS FOLLOWS: 1. PERFORM ASSESSMENT OF SHIP'S SIGNAL EXPLOITATION SPACE (SSES), SPINTCOM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: K-49541-010- -SHIPALT LHA1-01146K - ACCOMP |         |               |            | MJC: KXSAK042 |              | Rev Date: 10/31/2005  |  |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:  |               | Qty: 1       | Removal Required:     |  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: |               | ManDays: 739 | Alt No: SALHA 01146 K |  |
| Referenced Authority:                                         |         | Repair Pool:  |            | MCC: 3        |              |                       |  |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (K-49541-10) SHIPALT LHA1-01146K, SSEE INC-E UPGRADE, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01146K WHICH REPLACES EXISTING SSEE SYSTEMS WITHIN THE SSEES COMPARTMENT NUMBER 04-69-3-C WITH THE NEW AN/SSQ-137 SSEE-E SYSTEM. THIS SHIPALT REFLECTS THE INTEGRATION OF THE AN/USQ-146 RUBICON SYSTEM WITHIN THE SSEE-E SYSTEM AND PROVIDES FOR THE INSTALLATION OF TWO ANTENNA PLATFORMS/FOUNDATIONS AND ASSOCIATED CABLES WHICH TERMINATE WITHIN THE SSES, COMPARTMENT NUMBER 04-69-3-C. NAVSSI BLOCK 4 IS REQUIRED FOR INTERFACE WITH SYSTEM TIMING. IF NAVSSI BLOCK 4 IS NOT AVAILABLE, A SPARE WRN-6 PORT WILL BE IDENTIFIED TO PROVIDE THE REQUISITE 1 PPS SIGNAL REQUIRED FOR SSEE INC E INTERFACE. IF A SPARE WRN-6 PROT IS NOT AVAILABLE, THE INSTALLATION OF A TIME DISTRIBUTION AMPLIFIER (IDENTIFIED WITHIN) IS REQUIRED. CONCURRENT OR PRIOR TO THIS ALTERATION, AN/SSQ-120 TRANSPORTABLE RADIO DETECTION FINDING (TRDF) SHIPALT PREGROOM LHA 101101 IS ALSO REQUIRED. |

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**Task/Abbreviation:** I-49571-001- -GCCS-M - MRC A1J3**MJC:** CEXECIC15**Rev Date:** 7/7/2011**RCM Analysis:** 12/4/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 4**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-49571-001)THE GLOBAL COMMAND AND CONTROL SYSTEM - MARINE (GCCS-M) REQUIRES ASSESSMENT.

ACCOMPLISH THE GLOBAL COMMAND AND CONTROL SYSTEM - MARINE (GCCS-M) ASSESSMENT IN ACCORDANCE WITH MRC A1J3 AS FOLLOWS: 1. PERFORM OPERATIONAL TEST. 2. TEST INTEGRATED SERVICES DIGITAL SYSTEM (ISDS). 3. TEST COMMS PROCESSOR (CP) SHIFT CAPABILITY. 4. TEST COMMON OPERATING PICTURE (COP) OF SYNCHRONIZATION TOOLS FOR COMBAT SYSTEM TEST (CST). 5. TEST NET PRECEDENCE (NETPREC) FUNCTIONALITY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation:    |  | K-49611-012- -SHIPALT LHA1-01164K - ACCOMP |  | MJC: OXSAK054 |  | Rev Date: 10/24/2005 |  |                   |  |                       |  |
| RCM Analysis:         |  | Scheduled: N                               |  | Sit Reqs:     |  | Qty: 1               |  | Removal Required: |  |                       |  |
| Lvl of Maint: 1       |  | Freq: 0                                    |  | Equip/Task: 1 |  | Matl Cost: 25,000    |  | ManDays: 43       |  | Alt No: SALHA 01164 K |  |
| Referenced Authority: |  |                                            |  | Repair Pool:  |  |                      |  | MCC: 3            |  |                       |  |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (K-49611-12) SHIPALT LHA1-01164K, SCI NETWORKS AN/USQ-148D(V)2, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01164K WHICH INSTALLS AN/USQ-148D(V)2 TO PROVIDE CRYPTOLOGIC AND INTELLIGENCE SYSTEMS WITH PROTECTED AND RELIABLE DELIVERY OF DATA THROUGH A SECURE, CONTROLLABLE NETWORK INTERFACE WITH ADNS. THIS CHANGE WILL SUPPORT HORIZONTAL INTEGRATION AND INCLUDE TRANSITION TO 48 PORT ETHERNET SWITCHES AND COMPAQ DL380G2 (OR EQUIVALENT) SERVERS. |

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| Task/Abbreviation: I-4A021-A01- -AN/USQ153( ) ASSESS - MRC A2X7 |              |               | MJC: OXECI079 |                   | Rev Date: 7/15/2011 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 5        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-4A021-A01)AN/USQ-153 INTEGRATED SHIPBOARD NETWORK SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH ASSESSMENT OF THE AN/USQ-153 INTEGRATED SHIPBOARD NETWORK SYSTEM IN ACCORDANCE WITH MRC A2X7 AS FOLLOWS: 1. PERFORM ISNS LAN ASSESSMENT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. NOTE 1. ASSESSMENT TO BE PERFORMED BY ISEA SPAWARSYSCEN SAN DIEGO CODE 4131 PHONE (619)524-3718 ISNS SUBJECT MATTER EXPERT (SME) WHEN FUNDING IS PROVIDED. ANCHOR HELP DESK (877)418-6824 EMAIL ANCHORDESK@NAVY.MIL. |

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**Task/Abbreviation:** I-50500-A01- -SAB NUT INSP - CLASS ADV 11-01**MJC:** EXECIKH8**Rev Date:** 6/21/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:** 500**ManDays:** 8**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 4**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-50500-A01) SAB NUT INSPECTION REQUIRED

SCHEDULE SAB NUT INSPECTION FOR THE NEXT PLANNED AVAILABILITY AND PERFORM ACCORDING TO COMNAVSEASYS COM NAVAL MSG 151733ZAPR11: 1. CONDUCT 100 PERCENT INSPECTION OF SCBA CHARGING AIR SYSTEM, HP/MP AIR SYSTEMS, STEERING HIGH PRESSURE HYDRAULICS, AND HALON/HFP. 2. CONDUCT SPOT CHECKS OF BLEED AIR SYSTEM, WATER MIST SYSTEM, ANCHOR WINDLASS HIGH PRESSURE HYDRAULICS, AND STERN GATE HIGH PRESSURE HYDRAULICS. SPOT CHECKS TO INCLUDE OTHER HIGH PRESSURE HYDRAULICS AS WELL AS HIGH ENERGY SYSTEMS CONTAINING NITROGEN, OXYGEN, AND HELIUM, IF APPLICABLE. HIGH ENERGY SYSTEM IS DEFINED AS 300 PSI OR GREATER. 3. REVIEW DWGS FOR EACH SYSTEM AND DEVELOP INSPECTION MATRICES (TO INCLUDE UNION ENDED VALVES AND UNION TAKEDOWN JOINTS) TO DOCUMENT FINDINGS, AND PROVIDE STANDARD FEEDBACK TO TOM GOUGH (SEA 21) AT TOM.GOUGH@NAVY.MIL, AND TO SURFMEPP AT SURFMEPP.SYSTEMSENGINEERING@NAVY.MIL. 4. INSPECTION PROCEDURE DETAILED IN PARAGRAPH (3E). 5. INSPECTION PROCEDURE FOR NEW CONSTRUCTION SHIPS DETAILED IN PARAGRAPH (3F). REPORT CONDITIONS FOUND TO SHIP'S CSMP.

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| <b>Task/Abbreviation:</b> R-50810-001- -LAG MCHRY SP - RMV/RPR/INST |  |                     |  | <b>MJC:</b> EXSYR303 |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> X             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> X |  | <b>Matl Cost:</b> 3,375   |  | <b>ManDays:</b> 75       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>         | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE       | (R-50810-001)SPACE REQUIRES LAGGING | ACCOMPLISH THE FOLLOWING FOR THERMAL INSULATION ON PIPING AND MACHINERY, INCLUDING REMOVABLE PADS, WITHIN THE MACHINERY SPACES. REMOVAL AND INSTALLATION OF INSULATION AND LAGGING ARE TO BE IN ACCORDANCE WITH RELATED ASBESTOS REMOVAL CONTROL PROCEDURES AND NAVSEA STANDARD ITEM 009-11. SHIPS FORCE TO PROVIDE LAGGING PRIORITY LIST TO THE NAVAL SUPERVISING ACTIVITY. A. REMOVE EXISTING AND INSTALL NEW INSULATION AND LAGGING B. REPAIR DAMAGED OR DETERIORATED INSULATION AND LAGGING C. REPLACE MISSING INSULATION AND LAGGING WITH NEW |



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| <b>Task/Abbreviation:</b> R-50810-002- -LAG NONMCHRY SP - RMV/RPR/INST |  |                     |  | <b>MJC:</b> EXSYR157 |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> X             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> X |  | <b>Matl Cost:</b> 3,375   |  | <b>ManDays:</b> 75       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>         | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE       | (R-50810-002)SPACE REQUIRES LAGGING | ACCOMPLISH THE FOLLOWING FOR THERMAL INSULATION ON PIPING AND MACHINERY, INCLUDING REMOVABLE PADS, OUTSIDE OF THE MACHINERY SPACES. REMOVAL AND INSTALLATION OF INSULATION AND LAGGING ARE TO BE IN ACCORDANCE WITH RELATED ASBESTOS REMOVAL CONTROL PROCEDURES AND NAVSEA STANDARD ITEM 009-11. SHIPS FORCE TO PROVIDE LAGGING PRIORITY LIST TO THE NAVAL SUPERVISING ACTIVITY. A. REMOVE EXISTING AND INSTALL NEW INSULATION AND LAGGING B. REPAIR DAMAGED OR DETERIORATED INSULATION AND LAGGING C. REPLACE MISSING INSULATION AND LAGGING WITH NEW. |

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| <b>Task/Abbreviation:</b> A-51111-008- -AER LHA1-02501 - ACCOMP |                                                                       |                                                                                                                                                                                                                                   |                   | <b>MJC:</b> EXTYA949 | <b>Rev Date:</b> 12/10/2007 |
| <b>RCM Analysis:</b>                                            | <b>Scheduled:</b> N                                                   | <b>Sit Reqs:</b>                                                                                                                                                                                                                  |                   | <b>Qty:</b> 1        | <b>Removal Required:</b>    |
| <b>Lvl of Maint:</b> 1                                          | <b>Freq:</b> 0                                                        | <b>Equip/Task:</b> 1                                                                                                                                                                                                              | <b>Matl Cost:</b> | <b>ManDays:</b> 0    | <b>Alt No:</b> TYLHA 02501  |
| <b>Referenced Authority:</b>                                    | <b>Repair Pool:</b>                                                   | <b>MCC:</b> 3                                                                                                                                                                                                                     |                   |                      |                             |
| <b>Reason:</b>                                                  | <b>Problem Description:</b>                                           | <b>Recommended Solution:</b>                                                                                                                                                                                                      |                   |                      |                             |
| BASELINE                                                        | (A-51111-8) AER LHA1-02501, REPLACE HOTEL STEAM PPG, NOT ACCOMPLISHED | ACCOMPLISH AER LHA1-02501 WHICH REPLACES ALL HOTEL SUPPLY AND RETURN STEAM SYTEM PIPING WITH COPPER-NICKEL 90-10. THIS AER WILL IMPROVE SYSTEM SAFETY AND RELIABILTY. POC, PETE HOWARTH, 757-836-3456, PETE.HOWARTH.CTR@NAVY.MIL. |                   |                      |                             |

|                                                                 |              |               |                |                      |                     |
|-----------------------------------------------------------------|--------------|---------------|----------------|----------------------|---------------------|
| Task/Abbreviation: I-51211-001- -VENT SYS NONMCHRY SPACES- INSP |              |               | MJC: EXECICK1  |                      | Rev Date: 3/19/2008 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: NO |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 100 | ManDays: 15          | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2         |                      |                     |

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|----------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-51211-001)THE VENTILATION SYSTEMS OUTSIDE THE MACHINERY SPACES REQUIRES INSPECTION | INSPECT FOR CLEANLINESS AND INTEGRITY ALL SUPPLY AND EXHAUST VENTILATION SYSTEMS OUTSIDE THE MACHINERY SPACES AND ACCOMPLISH A VOLUMETRIC OUTPUT TEST. INSPECTION TO INCLUDE DUCTWORK, FLEXIBLE CONNECTORS, RESILIENT MOUNTS, VENT SCREENS AND DRAINS. REPORT CONDITIONS FOUND TO CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|----------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: A-51211-030- -AER LHA1-00799 - ACCOMP |              |               | MJC: EXTYA223 |                   | Rev Date: 9/7/2007  |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays:          | Alt No: TYLHA 00799 |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                                                                                                                                                                  |
| BASELINE | (A-51211-30) TYCOM AUTHORIZED ALTERATION | ACCOMPLISH AER LHA1-00799E "INSTALL VENT FILTER IN AIMD CALIBRATION LAB" WHICH INSTALLS AN AIR FILTRATION SYSTEM IN THE CALIBRATION LAB TO ENSURE A CLEAN ENVIRONMENT FOR THE CALIBRATION AND REPAIR OF HIGHLY SENSITIVE ELECTRONIC EQUIPMENT AND REDUCE THE RISK OF MALFUNCTION DUE TO STATIC CHARGE. |

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| Task/Abbreviation: I-51211-087- -VENT SYS - MRC G1Z2 |              |               | MJC: EXECIEM5 |                   | Rev Date: 6/7/2011 |
| RCM Analysis: 7/12/2004                              | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                      | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (I-51211-087)THE VENTILATION SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE VENTILATION SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC G1Z2 AS FOLLOWS: 1. INSPECT VENTILATION SUPPLY, EXHAUST AND RECIRC DUCTING, AND PLENUM INTERIOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|------------------------------------------------------|--------------|---------------|---------------|-------------------|--------------------|
| Task/Abbreviation: I-51211-089- -VENT SYS - MRC G1Z3 |              |               | MJC: EXECIEM8 |                   | Rev Date: 6/7/2011 |
| RCM Analysis: 7/12/2004                              | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-51211-089)THE VENTILATION SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE VENTILATION SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC G1Z3 AS FOLLOWS: 1. CONDUCT INSPECTION OF THE SUPPLY, EXHAUST AND RECIRC SYSTEM INTERIOR VENTILATION DUCTING. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-51211-090- -CPS SYS - MRC G2J2 |              |               | MJC: EXECIFA1 |                   | Rev Date: 11/16/2007 |
| RCM Analysis: 8/2/2004                              | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                     | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:              |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 3        |                   |                      |

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|----------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-51211-090)THE COLLECTIVE PROTECTIVE SYSTEM (CPS) REQUIRES ASSESSMENT. | ACCOMPLISH THE COLLECTIVE PROTECTIVE SYSTEM (CPS) ASSESSMENT IN ACCORDANCE WITH MRC G2J2 AS FOLLOWS: 1. INSPECT PRESSURE LOCK. 2. INSPECT AIR LOCK TYPE 1. 3. INSPECT AIR LOCK TYPE 2. 4. INSPECT AIR LOCK TYPE 3. 5. INSPECT COLLECTIVE PROTECTIVE SYSTEM (CPS) FAN ROOM. 6. INSPECT CPS DECONTAMINATION STATION. 7. PERFORM CBR DECONTAMINATION EQUIPMENT INVENTORY. 8. VERIFY DECONTAMINATION STATION PROCEDURE LABELS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-51211-091- -CPS SYS - MRC A2C5 |  |              |  | MJC: EXECIG07 |  | Rev Date: 3/31/2010 |  |                   |  |         |  |
| RCM Analysis: 7/24/2006                             |  | Scheduled: Y |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                     |  | Freq: 18     |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-51211-091) THE COLLECTIVE PROTECTION SYSTEM (CPS) REQUIRES ASSESSMENT. | ACCOMPLISH THE COLLECTIVE PROTECTION SYSTEM (CPS) ASSESSMENT IN ACCORDANCE WITH MRC A2C5 AS FOLLOWS: 1. RECORD CPS ZONE DATA. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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|-----------------------------------------------------|--------------|---------------|--------------|-------------------|---------------------|
| Task/Abbreviation: I-51211-122- -CPS SYS - MRC A5H8 |              |               | MJC: EXECIU2 |                   | Rev Date: 11/6/2009 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 1       | Removal Required: |                     |
| Lvl of Maint: 3                                     | Freq: 0      | Equip/Task: 1 | Matl Cost:   | ManDays: 0        | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 3       |                   |                     |

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|----------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-51211-122)ACCOMPLISH THE REPLACEMENT OF THE AIR COMPRESSOR CHEMICAL BIOLOGICAL RADIOLOGICAL (CBR) FILTER. | ACCOMPLISH THE COLLECTIVE PROTECTIVE SYSTEM (CPS) ASSESSMENT IN ACCORDANCE WITH MRC A5H8 AS FOLLOWS: 1. REMOVE OLD AIR COMPRESSOR CHEMICAL BIOLOGICAL RADIOLOGICAL (CBR) FILTERS. 2. INSTALL NEW AIR COMPRESSOR CBR FILTERS. 3. DISPOSE OF OLD AIR COMPRESSOR CBR FILTERS. 4. TROUBLESHOOT CBR FILTER REMOVAL AND/OR INSTALLATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-51211-123- -REPL CBR FLTR-PERF A5H3**MJC:** EXECIU3**Rev Date:** 11/6/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 0**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-51211-123)THE COLLECTIVE PROTECTIVE  
SYSTEM (CPS) REQUIRES ASSESSMENT.ACCOMPLISH THE COLLECTIVE PROTECTIVE SYSTEM (CPS)  
ASSESSMENT IN ACCORDANCE WITH MRC A5H3 AS FOLLOWS: 1.  
REMOVE CHEMICAL BIOLOGICAL RADIOLOGICAL (CBR) FILTERS. 2.  
PERFORM PRE-INSTALLATION CLEANUP. 3. INSTALL NEW CBR  
FILTERS. 4. TROUBLESHOOT CBR FILTER REMOVAL AND/OR  
INSTALLATION. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-51211-130- -CPS SYS - MRC A5J4**MJC:** EXECQEI8**Rev Date:** 5/24/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 0**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 0**Matl Cost:****ManDays:** 0**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 0**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51211-130)THE LIMITED PROTECTION (LP) HEPA  
FILTER REQUIRES REPLACEMENT.ACCOMPLISH THE COLLECTIVE PROTECTIVE SYSTEM (CPS)  
ASSESSMENT IN ACCORDANCE WITH MRC A5J4 AS FOLLOWS: 1.  
REMOVE OLD LIMITED PROTECTION HEPA FILTERS. 2. PERFORM  
PRE-INSTALLATION, CLEANUP AND ASSESSMENT. 3. INSTALL NEW  
LP HEPA FILTERS. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-51311-001- -MCHRY VENT SYS - INSP |         |               | MJC: EXECI165 |             | Rev Date: 6/6/2008   |  |
| RCM Analysis:                                          |         | Scheduled: N  | Sit Reqs:     | Qty: 1      | Removal Required: NO |  |
| Lvl of Maint: 1                                        | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 10 | Alt No:              |  |
| Referenced Authority:                                  |         | Repair Pool:  | MCC: 2        |             |                      |  |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-51311-001)THE VENTILATION SYSTEMS INSIDE THE MACHINERY SPACES REQUIRES INSPECTION | INSPECT FOR CLEANLINESS AND INTEGRITY ALL SUPPLY AND EXHAUST VENTILATION SYSTEMS IN MACHINERY SPACES. INSPECTION TO INCLUDE DUCTWORK, FLEXIBLE CONNECTORS, RESILIENT MOUNTS, VENT SCREENS AND DRAINS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------|--|----------------------------------------------------------------|--|---------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-51311-032- -VENT DUCT SECTION - REPL |  |                                                                |  | MJC: EXECQED4 |  | Rev Date: 3/18/2010                                                                                                                                                                              |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N                                                   |  | Sit Reqs:     |  | Qty: 0                                                                                                                                                                                           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0                                                        |  | Equip/Task: 0 |  | Matl Cost:                                                                                                                                                                                       |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                                     |  |                                                                |  | Repair Pool:  |  |                                                                                                                                                                                                  |  | MCC: 0            |  |         |  |
| Reason:                                                   |  | Problem Description:                                           |  |               |  | Recommended Solution:                                                                                                                                                                            |  |                   |  |         |  |
| BASELINE                                                  |  | (Q-51311-032) VENTILATION DUCT SECTION<br>REQUIRES REPLACEMENT |  |               |  | REPLACE THE DESIGNATED VENTILATION DUCT SECTION IN<br>_____. REMOVE INSULATION IN WAY OF REPAIRS. REPLACE<br>INSULATION UPON COMPLETION. PERFORM AN OPERATIONAL TEST<br>ON THE REPLACED SECTION. |  |                   |  |         |  |

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**Task/Abbreviation:** I-51411-001- -CHW CLG SYS - INSP**MJC:** EXECICK2**Rev Date:** 4/24/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:** NO**Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-51411-001)THE CHILLED WATER COOLING  
DISTRIBUTION SYSTEM REQUIRES INSPECTIONINSPECT AND OPERATIONALLY TEST THE CHILLED WATER COOLING  
DISTRIBUTION SYSTEM. ACCOMPLISH AN ELECTRICAL SIGNATURE  
ANALYSIS (ESA) SURVEY. TEST, ADJUST AND SET THE OPERATION  
OF ALL CONTROLS, INCLUDING SOLENOIDS, CUT-OUT SWITCHES  
AND THERMOSTATS. ACCOMPLISH MINOR REPAIRS TO CONTROLS,  
PIPING AND VALVES. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
SHIP'S FORCE WILL PROVIDE REQUIRED REFRIGERANT AND  
SPARES. NOTES: 1. TO INCLUDE VISUAL INSPECTION OF RESILIENT  
MOUNTS ON CHILLED WATER PUMPS, IF INSTALLED. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-51411-004- -CHW PMP (CC) - RPR**MJC:** EXECQ502**Rev Date:** 6/3/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 12,000**ManDays:** 150**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51411-004)PUMP REQUIRES REPAIR

REMOVE THE PUMP UNIT (CLOSE-COUPLED) TO THE SHOP. OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. K. CONDUCT A VIBRATION TEST. L. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC.

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| Task/Abbreviation: A-51411-027- -AER LHA1-01999 - ACCOMP |  |              |  | MJC: EXTYA669 |  | Rev Date: 9/7/2007 |  |                   |  |                     |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1             |  | Removal Required: |  |                     |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 50,000  |  | ManDays: 40       |  | Alt No: TYLHA 01999 |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |                     |  |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (A-51411-27) AER LHA1-01999, SALINITY PNL/DEMINERAL UNIT, NOT ACCOMPLISHED | ACCOMPLISH AER LHA1-01999 WHICH REPLACES THE SALINITY PANEL/DEMINERALIZER UNIT THAT REQUIRE EXCESSIVE MAINTENANCE AND ARE NO LONGER READILY SUPPORTED BY THE NAVY SUPPLY SYSTEM WHICH SUPPORTS COOLING FOR THE INTEGRATED TACTICAL AMPHIBIOUSDISPLAY SYSTEM (ITAWDS) AND THE ADVANCED COMBAT DIRECTION SYSTEM (ACDS) REPLACEMENTWITH A BARNSTEAD MODEL 195912-1 WILL PROVIDE A MORE RELIABLE SYSTEM WITH IMPROVED SUPPORT BY THE NAVY SUPPLY NETWORK. |



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| <b>Task/Abbreviation:</b> Q-51411-036- -CHW PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJC96 |  | <b>Rev Date:</b> 3/9/2007 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                     |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                   |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,740   |  | <b>ManDays:</b> 38       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                             |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                         |
| BASELINE       | (Q-51411-036)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE CHILLED WATER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                    |  |              |  |               |  |                    |  |                   |  |         |  |
|----------------------------------------------------|--|--------------|--|---------------|--|--------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-51411-037- -CHW PMP MOT - RPR |  |              |  | MJC: EXECJC97 |  | Rev Date: 3/9/2007 |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 420     |  | ManDays: 25       |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  |  | Problem Description:                                |  | Recommended Solution:                                                                                                                                                                                                             |  |
| BASELINE |  | (Q-51411-037)ELECTRIC MOTOR REQUIRES RECONDITIONING |  | RECONDITION THE ELECTRIC MOTOR OF THE CHILLED WATER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |  |

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**Task/Abbreviation:** Q-51411-038- -CHW PMP MOT BRG-REPL**MJC:** EXECJC98**Rev Date:** 2/26/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** 1**Matl Cost:** 210**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51411-038) ELECTRIC MOTOR BEARINGS  
REQUIRE REPLACEMENTDISASSEMBLE THE ELECTRIC MOTOR OF THE CHILLED WATER  
SYSTEM PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO  
PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE:  
1. CONDUCT REPAIRS IN ACCORDANCE WITH RELEVANT NAVAL  
VESSEL RULES (NVR). 2. ABS SURVEYOR ATTENDANCE IS  
REQUIRED FOR RELEVANT ASSESSMENT AND RECOMMENDATIONS  
AS PER NV RULES PART 9 CH 6. CONTACT  
NAVALSURVEYDEPT@EAGLE.ORG

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**Task/Abbreviation:** Q-51411-040- -CHW PMP (CPLD) WEAR RINGS-REPL**MJC:** EXECJDB1**Rev Date:** 2/26/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51411-040)PUMP WEARING RING REQUIRES REPLACEMENT

REMOVE THE PUMP (COUPLED) SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. NOTE: 1. CONDUCT REPAIRS IN ACCORDANCE WITH RELEVANT NAVAL VESSEL RULES (NVR). 2. ABS SURVEYOR ATTENDANCE IS REQUIRED FOR RELEVANT ASSESSMENT AND RECOMMENDATIONS AS PER NV RULES PART 9 CH 6. CONTACT NAVALSURVEYDEPT@EAGLE.ORG

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**Task/Abbreviation:** Q-51411-041- -CHW PMP (CPLD) RT ASSY - RPR**MJC:** EXECJDB2**Rev Date:** 2/26/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51411-041)PUMP ROTATING ASSEMBLY  
REQUIRES REPAIR

REMOVE THE PUMP (COUPLED) SUCTION CASING. REMOVE ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. NOTE: 1. CONDUCT REPAIRS IN ACCORDANCE WITH RELEVANT NAVAL VESSEL RULES (NVR). 2. ABS SURVEYOR ATTENDANCE IS REQUIRED FOR RELEVANT ASSESSMENT AND RECOMMENDATIONS AS PER NV RULES PART 9 CH 6. CONTACT NAVALSURVEYDEPT@EAGLE.ORG

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**Task/Abbreviation:** Q-51411-042- -CHW PMP (CC) MECH SEAL - REPL**MJC:** EXECJDB3**Rev Date:** 6/3/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51411-042)PUMP SEAL REQUIRES  
REPLACEMENTREPLACE, IN-PLACE, THE PUMP (CLOSE COUPLED) MECHANICAL  
SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD  
POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO  
PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL  
TEST. NOTE: 1. CONDUCT REPAIRS IN ACCORDANCE WITH  
RELEVANT NAVAL VESSEL RULES (NVR). 2. ABS SURVEYOR  
ATTENDANCE IS REQUIRED FOR RELEVANT ASSESSMENT AND  
RECOMMENDATIONS AS PER NV RULES PART 9 CH 6. CONTACT  
NAVALSURVEYDEPT@EAGLE.ORG

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**Task/Abbreviation:** Q-51411-043- -CHW PMP (CC) WEAR RINGS-REPL**MJC:** EXECJDB4**Rev Date:** 6/3/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51411-043)PUMP WEARING RING REQUIRES REPLACEMENT

REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. NOTE: 1. CONDUCT REPAIRS IN ACCORDANCE WITH RELEVANT NAVAL VESSEL RULES (NVR). 2. ABS SURVEYOR ATTENDANCE IS REQUIRED FOR RELEVANT ASSESSMENT AND RECOMMENDATIONS AS PER NV RULES PART 9 CH 6. CONTACT NAVALSURVEYDEPT@EAGLE.ORG

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**Task/Abbreviation:** Q-51411-044- -CHW PMP (CC) RT ASSY - RPR**MJC:** EXECJDB5**Rev Date:** 6/3/2009**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51411-044)PUMP ROTATING ASSEMBLY  
REQUIRES REPAIR

REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. NOTE: 1. CONDUCT REPAIRS IN ACCORDANCE WITH RELEVANT NAVAL VESSEL RULES (NVR). 2. ABS SURVEYOR ATTENDANCE IS REQUIRED FOR RELEVANT ASSESSMENT AND RECOMMENDATIONS AS PER NV RULES PART 9 CH 6. CONTACT NAVALSURVEYDEPT@EAGLE.ORG



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| Task/Abbreviation: I-51411-047- -CHW PMPS VIB TST - MRC G1P1 |  |              |  | MJC: EXECIGF8 |  | Rev Date: 5/6/2008 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1             |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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|----------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-51411-047)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                                      |  |                     |  |                      |  |                            |  |                             |  |                              |  |
|----------------------------------------------------------------------|--|---------------------|--|----------------------|--|----------------------------|--|-----------------------------|--|------------------------------|--|
| <b>Task/Abbreviation:</b> K-51420-007- -SHIPALT LHA1-00745K - ACCOMP |  |                     |  | <b>MJC:</b> EXSAK211 |  | <b>Rev Date:</b> 4/27/2006 |  |                             |  |                              |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> NO |  |                              |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 24,000   |  | <b>ManDays:</b> 2420        |  | <b>Alt No:</b> SALHA 00745 K |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3               |  |                              |  |

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| <b>Reason:</b> | <b>Problem Description:</b>           | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                   |
| BASELINE       | (K-51420-7) NAVSEA AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-745K "CHANGE R-114 A/C PLANT TO NON-CFC", WHICH REMOVES/REPLACES EXISTING R-114 A/C PLANT AND INSTALLS A NEW COMPRESSOR, MOTOR (IF REQUIRED) AND MICRO-PROCESSOR CONTROL SYSTEM. CHARGE NEW PLANT WITH NON-CHLOROFLUROCARBON (CFC) REFRIGERANT AND NEW COMPATIBLE OIL. |

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| Task/Abbreviation: A-51420-021- -AER LHA1-02397 - ACCOMP |              |               | MJC: EXTYA244      |                   | Rev Date: 3/7/2004  |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1             | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 200,000 | ManDays: 240      | Alt No: TYLHA 02397 |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3             |                   |                     |

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|----------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                    |
| BASELINE | (A-51420-21) TYCOM AUTHORIZED ALTERATION | ACCOMPLISH AER LHA1-02397E "A/C PLANT MOTORS" WHICH REPLACES THE EXISTING 300 HP AIR CONDITIONING PLANT MOTORS WITH 400 HP UNITS (NSN 6105-01-313-6967). |

|                                                               |              |               |               |                   |                       |
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| Task/Abbreviation: D-51420-048- -SHIPALT LHA1-74115D - ACCOMP |              |               | MJC: EXSAD602 |                   | Rev Date: 2/28/2008   |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 10 | ManDays: 10       | Alt No: SALHA 74115 D |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2        |                   |                       |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                |
| BASELINE | (D-51420-48) SHIPALT LHA1-74115D, A/C SALT WATER PMP REPLACEMENT, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-74115D WHICH REPLACES THE EXISTING CARVER AUXILIARY SALT WATER CIRCULATING PUMPS WHICH ARE APPROACHING THE END OF THEIR SERVICE LIFE AND ARE EXPERIENCING REPEATED PROBLEMS. THE REPLACEMENT PUMP IS A CHESTERTON FRAME M SIZE, 6 X 8 OR EQUAL. POC: CONRADO CAJIGAS, 619-437-2704, CONRADO.CAJIGAS@NAVY.MIL |

|                                                             |              |               |                  |                       |                     |
|-------------------------------------------------------------|--------------|---------------|------------------|-----------------------|---------------------|
| Task/Abbreviation: Q-51421-002- -A/C PLT CNTFGL COMPR - RPR |              |               | MJC: EXECQA85    |                       | Rev Date: 3/31/2010 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: YES |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50           | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3           |                       |                     |

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| Reason:  | Problem Description:                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-51421-002)COMPRESSOR REQUIRES REPAIR | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF GEARS, IMPELLERS AND SHAFTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO COMPRESSOR. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND GRIND SHAFT JOURNALS. B. REPAIR OR REPLACE DIFFUSER PLATE, GEARS, IMPELLERS, NOZZLE PLATE, PUMP ASSEMBLY (LUBE OIL), ROTOR SCROLL AND SUPPORT, SHAFTS, SHAFT SEALS, THRUST COLLAR, VANE ASSEMBLY (PRE-ROTATION) AND UNLOADER ASSEMBLY. C. REPLACE COUPLING. D. REPAIR HEAT EXCHANGERS. NOTE: USE SWT 514-21 FOR GUIDANCE. |

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**Task/Abbreviation:** Q-51421-005- -A/C SW CIRC PMP (CPLD) - RPR**MJC:** EXECQ891**Rev Date:** 6/14/2006**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,250**ManDays:** 50**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51421-005)PUMP REQUIRES REPAIR

DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP TO THE SHOP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS.

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**Task/Abbreviation:** Q-51421-007- -A/C COND - INSP/RPR**MJC:** EXECQ730**Rev Date:** 2/26/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51421-007)CONDENSER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE CONDENSER OF THE AIR CONDITIONING PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS & AS DESIGNATED. HYDRO SHELL & TUBE SIDES & REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECT. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPLACE MISSING/UNSERVICEABLE FASTENERS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. ACCOMPLISH STRUCTURAL REPAIRS TO SHELL. I. ACCOMPLISH STRUCTURAL REPAIRS TO HEADS. J. REPLACE HEADS. K. CHEMICALLY CLEAN CONDENSER. L. MECHANICALLY CLEAN CONDENSER. M. REPLACE TUBE BUNDLE

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**Task/Abbreviation:** Q-51421-008- -A/C CHILLER - INSP/RPR**MJC:** EXECQ740**Rev Date:** 2/26/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51421-008)CHILLER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING RPRS TO THE CHILLER OF THE A/C PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS. HYDRO SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF RPRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPL MISSING OR DAMAGED FASTENERS. ACCOMPLISH A SAT OP TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPL DESIGNATED TUBES. E. REPL ZINCS. F. RECOAT/RPR TUBE SHEETS. G. REMOVE CHILLER TO SHOP FOR RPRS. H. REPL TUBE SHEETS. I. RPR TUBE SUPPORT PLATES. J. ACCOMPLISH STRUCTURAL RPRS TO SHELL. K. ACCOMPLISH STRUCTURAL RPRS TO HEADS. L. REPL HEADS. NOTE: USE SWT TEMPLATE 514-20/514-21 FOR GUIDANCE



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|-----------------------------------------------------|--|--------------|--|---------------|--|---------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-51421-027- -A/C COND - PLUG TB |  |              |  | MJC: EXECJ167 |  | Rev Date: 5/13/2005 |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 14       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-51421-027)CONDENSER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-------------------------------------------------------|--|--------------|--|---------------|--|---------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-51421-028- -A/C COND - RPR HEADS |  |              |  | MJC: EXECJ175 |  | Rev Date: 2/26/2009 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                            |
| BASELINE | (Q-51421-028)CONDENSER REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR HEADS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|--------------------------------------------------------------|--|---------------------|--|----------------------|--|----------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-51421-029- -A/C COND - RPR SHELL |  |                     |  | <b>MJC:</b> EXECJ183 |  | <b>Rev Date:</b> 2/26/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 0        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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|----------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                     |
| BASELINE       | (Q-51421-029)CONDENSER REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51421-030- -A/C COND - REPL TB |  |              |  | MJC: EXECJ191 |  | Rev Date: 2/26/2009 |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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|----------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-51421-030)CONDENSER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51421-031- -A/C COND - REPL ZINCS |  |                                        |  | MJC: EXECJ199 |  | Rev Date: 2/26/2009                                                                                                                                                                                                                                                |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 0                                                                                                                                                                                                                                                             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0                                |  | Equip/Task: 0 |  | Matl Cost:                                                                                                                                                                                                                                                         |  | ManDays: 12       |  | Alt No: |  |
| Referenced Authority:                                  |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                    |  | MCC: 2            |  |         |  |
| Reason:                                                |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                              |  |                   |  |         |  |
| BASELINE                                               |  | (Q-51421-031)ZINCS REQUIRE REPLACEMENT |  |               |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| <b>Task/Abbreviation:</b> Q-51421-032- -A/C COND - REROLL TB |  |                     |  | <b>MJC:</b> EXECJ207 |  | <b>Rev Date:</b> 5/13/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 16       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE       | (Q-51421-032)CONDENSER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51421-033- -A/C COND - RPR TB SH |              |               | MJC: EXECJ215  |                   | Rev Date: 2/26/2009 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 5         | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 18       | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                              | Recommended Solution:                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-51421-033)CONDENSER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51421-034- -A/C COND-REPL TB BUNDLE |              |               | MJC: EXECJ223  |                   | Rev Date: 2/26/2009 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 5         | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 16       | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                 |
| BASELINE | (Q-51421-034)CONDENSER TUBE BUNDLE<br>REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION.<br>MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE<br>BUNDLE. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW<br>SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-51421-035- -A/C COND-RPR SPRT PLATES |  |                     |  | <b>MJC:</b> EXECJ231 |  | <b>Rev Date:</b> 2/26/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 18       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                               | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                   |
| BASELINE       | (Q-51421-035)CONDENSER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51421-036- -A/C SW CIRC PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJE04 |  | <b>Rev Date:</b> 5/13/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 2,016    |  | <b>ManDays:</b> 42       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                                                |
| BASELINE       | (Q-51421-036)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51421-037- -A/C SW CIRC PMP MOT-RPR |  |                     |  | <b>MJC:</b> EXECJE12 |  | <b>Rev Date:</b> 5/13/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 2,016    |  | <b>ManDays:</b> 42       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                                                                                                                                                             |
| BASELINE       | (Q-51421-037)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-51421-038- -A/C SW CIRC PMP MOT BRG-REPL |  |                     |  | <b>MJC:</b> EXECJE20 |  | <b>Rev Date:</b> 5/13/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,008    |  | <b>ManDays:</b> 21       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                                                  |
| BASELINE       | (Q-51421-038)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51421-039- -A/C COMPR MOT-RWND |  |                     |  | <b>MJC:</b> EXECJE28 |  | <b>Rev Date:</b> 3/31/2010 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                       |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 5              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                     |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 6,720    |  | <b>ManDays:</b> 140      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                               |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                              |
| BASELINE       | (Q-51421-039)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51421-040- -A/C COMPR MOT-RPR |  |                     |  | <b>MJC:</b> EXECJE36 |  | <b>Rev Date:</b> 3/31/2010 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                      |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 5              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                    |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 6,720    |  | <b>ManDays:</b> 140      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                              |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                                                                                                                                           |
| BASELINE       | (Q-51421-040)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-51421-041- -A/C COMPR MOT BRG-REPL |                     |                      | <b>MJC:</b> EXECJE44    |                    | <b>Rev Date:</b> 3/31/2010 |
| <b>RCM Analysis:</b>                                           | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 5           |                    | <b>Removal Required:</b>   |
| <b>Lvl of Maint:</b> 1                                         | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 3,360 | <b>ManDays:</b> 70 | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                   |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3           |                    |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                                |
| BASELINE       | (Q-51421-041)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51421-042- -A/C PLT CNTFGL COMPR HE - RPR |              |               | MJC: EXECJAG6    |                   | Rev Date: 3/31/2010 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 2                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 10       | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-51421-042)HEAT EXCHANGER REQUIRES REPAIR | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH REPAIRS TO THE HEAT EXCHANGER. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-51421-043- -A/C PLT CNTFGL COMPR SEALS-RPR |              |               | MJC: EXECJAG7    |                   | Rev Date: 3/31/2010 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 5        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-51421-043)SHAFT SEAL REQUIRES REPLACEMENT | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO REMOVE AND REPLACE SHAFT SEALS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51421-046- -SW CIRC PMP MECH SEAL - REPL |  |              |  | MJC: EXECJDB6 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,250 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                          |
| BASELINE | (Q-51421-046)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51421-048- -SW CIRC PMP RT ASSY - RPR |              |               | MJC: EXECJDB8    |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50       | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2           |                   |           |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-51421-048)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.<br>NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-51421-051- -SW CIRC PMP (CC) RT ASSY - RPR |  |              |  | MJC: EXECJDC1 |  | Rev Date: 4/4/2007 |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,250   |  | ManDays: 50       |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-51421-051)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE<br>ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.<br>NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: I-51421-054- -A/C PLT R-114 - MRC G1B7 |              |               | MJC: EXECI886  |                   | Rev Date: 11/4/2009 |
| RCM Analysis: 7/12/2004                                   | Scheduled: Y | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                           | Freq: 24     | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-51421-054)THE A/C PLANT R-114 REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G1B7 AS FOLLOWS: 1. ASSESS OVERALL OPERATION OF A/C PLANT. 2. CONDUCT COMPRESSOR OIL SEAL LEAKAGE INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-51421-055- -A/C PLANT - MRC G1Y1 |  |              | MJC: EXECI887 |               | Rev Date: 3/31/2010 |                |                   |            |         |  |
| RCM Analysis: 7/12/2004                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 5         | Removal Required: |            |         |  |
| Lvl of Maint: 3                                       |  | Freq: 24     |               | Equip/Task: 1 |                     | Matl Cost: 125 |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                 |  |              | Repair Pool:  |               |                     | MCC: 3         |                   |            |         |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-51421-055)THE A/C PLANT REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT ASSESSMENT IN ACCORDANCE WITH MRC G1Y1 AS FOLLOWS: 1. INSPECT AND RECORD A/C PLANT OPERATING AND MAINTENANCE HISTORY. 2. INSPECT MATERIAL CONDITION OF A/C PLANT. 3. INSPECT AND RECORD PARASENSE REFRIGERANT MONITOR STATUS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-51421-059- -A/C PLT R-114 - MRC G1L9 |              |               | MJC: EXECI891  |                   | Rev Date: 11/4/2009 |
| RCM Analysis: 7/12/2004                                   | Scheduled: Y | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-51421-059)THE A/C PLANT R-114 REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G1L9 AS FOLLOWS: 1. TEST/OPERATE ELECTRONIC CONTROL MODULE (ECM). 2. TEST/OPERATE CURRENT LIMITER. 3. TEST THERMISTOR. 4. CHECK PRE-ROTATION VANES (PRV) AND HOT GAS BYPASS (HGBP) SETTINGS. 5. CHECK/INSPECT SETTING OF HGBP. 6. CHECK PRV FULL OPEN AND FULL CLOSED POSITIONS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|--------------|---------------|--------------------|-------------------|---------|
| Task/Abbreviation: I-51421-069- -AC PLT EQPT VIB TST - MRC G1P1 |              | MJC: EXECIGF9 | Rev Date: 8/4/2008 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1             | Removal Required: |         |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:         | ManDays: 1        | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |                    |                   |         |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-51421-069)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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**Task/Abbreviation:** I-51421-083- -A/C PLANT - MRC A4P3**MJC:** EXECIIB8**Rev Date:** 12/8/2009**RCM Analysis:** 5/16/2007**Scheduled:** N**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 18**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

( I-51421-83) THE A/C PLANT R-134A AND R-236FA  
REQUIRES ASSESSMENT.ACCOMPLISH THE A/C PLANT R-134A AND R-236FA ASSESSMENT IN  
ACCORDANCE WITH MRC A4P3 AS FOLLOWS: 1. CONDUCT  
COMPRESSOR OIL SEAL LEAKAGE INSPECTION. 2. RECORD A/C  
PLANT OPERATIONAL PARAMETERS. 3. INSPECT AND RECORD A/C  
PLANT OPERATION AND MAINTENANCE HISTORY. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-51421-084- -A/C PLANT - MRC A4P4**MJC:** EXECIIB9**Rev Date:** 10/13/2009**RCM Analysis:** 5/16/2007**Scheduled:** Y**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-51421-084) THE A/C PLANT R-134A AND R-236FA  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE A/C PLANT R-134A AND R-236FA ASSESSMENT IN  
ACCORDANCE WITH MRC A4P4 AS FOLLOWS: 1. PRELIMINARY  
CHECKS. 2. CHECK PREROTATION VANES (PRV), VARIABLE  
GEOMETRY DIFFUSER (VGD), CONDENSER WATER CONTROL VALVE  
(CWCV) AND HOT GAS BYPASS VALVE (HGBV) POSITIONING. 3. TEST  
MICROPROCESSOR CHILL WATER TEMPERATURE CONTROL. 4. TEST  
MICROPROCESSOR CURRENT LIMITER CONTROL. 5. CHECK FOR  
INDICATIONS OF CONDENSER TUBE FOULING. 6. CHECK FOR AIR  
AND NON-CONDENSABLE GASSES. REPORT CONDITIONS FOUND TO  
SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN  
THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|-------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: I-51421-087- -A/C PLANT - MRC G3N1 |              |               | MJC: EXECIIS8  |                   | Rev Date: 7/8/2010 |
| RCM Analysis:                                         | Scheduled: Y | Sit Reqs:     | Qty: 5         | Removal Required: |                    |
| Lvl of Maint: 3                                       | Freq: 24     | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:            |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-51421-087)THE A/C PLANT R-114 REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G3N1 AS FOLLOWS: TEST OPERATE PRESSURE AND TEMPERATURE SWITCHES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-51422-002- -A/C PLT CNTFGL COMPR - RPR**MJC:** EXECQA94**Rev Date:** 3/12/2006**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,250**ManDays:** 50**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51422-002)COMPRESSOR REQUIRES REPAIR

DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF GEARS, IMPELLERS AND SHAFTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO COMPRESSOR. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND GRIND SHAFT JOURNALS. B. REPAIR OR REPLACE DIFFUSER PLATE, GEARS, IMPELLERS, NOZZLE PLATE, PUMP ASSEMBLY (LUBE OIL), ROTOR SCROLL AND SUPPORT, SHAFTS, SHAFT SEALS, THRUST COLLAR, VANE ASSEMBLY (PRE-ROTATION) AND UNLOADER ASSEMBLY. C. REPLACE COUPLING. D. REPAIR HEAT EXCHANGERS. NOTE: USE SWT 514-21 FOR GUIDANCE.

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**Task/Abbreviation:** Q-51422-005- -A/C SW CIRC PMP (CPLD) - RPR**MJC:** EXECQ892**Rev Date:** 6/15/2006**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,250**ManDays:** 50**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51422-005)PUMP REQUIRES REPAIR

DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP TO THE SHOP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS.

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**Task/Abbreviation:** Q-51422-007- -A/C COND - INSP/RPR**MJC:** EXECQ731**Rev Date:** 2/26/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51422-007)CONDENSER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING REPAIRS TO THE CONDENSER OF THE AIR CONDITIONING PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS & AS DESIGNATED. HYDRO SHELL & TUBE SIDES & REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECT. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPLACE MISSING/UNSERVICEABLE FASTENERS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. ACCOMPLISH STRUCTURAL REPAIRS TO SHELL. I. ACCOMPLISH STRUCTURAL REPAIRS TO HEADS. J. REPLACE HEADS. K. CHEMICALLY CLEAN CONDENSER. L. MECHANICALLY CLEAN CONDENSER. M. REPLACE TUBE BUNDLE

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**Task/Abbreviation:** Q-51422-008- -A/C CHILLER - INSP/RPR**MJC:** EXECQ563**Rev Date:** 2/26/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51422-008)CHILLER REQUIRES REPAIR

ACCOMPLISH THE FOLLOWING RPRS TO THE CHILLER OF THE A/C PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS. HYDRO SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF RPRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPL MISSING OR DAMAGED FASTENERS. ACCOMPLISH A SAT OP TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPL DESIGNATED TUBES. E. REPL ZINCS. F. RECOAT/RPR TUBE SHEETS. G. REMOVE CHILLER TO SHOP FOR RPRS. H. REPL TUBE SHEETS. I. RPR TUBE SUPPORT PLATES. J. ACCOMPLISH STRUCTURAL RPRS TO SHELL. K. ACCOMPLISH STRUCTURAL RPRS TO HEADS. L. REPL HEADS. NOTE: USE SWT TEMPLATE 514-20/514-21 FOR GUIDANCE

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| Task/Abbreviation: Q-51422-019- -A/C COND - PLUG TB |  |              |  | MJC: EXECJ168 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 14       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-51422-019)CONDENSER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-51422-020- -A/C COND - RPR HEADS |  |              |  | MJC: EXECJ176 |  | Rev Date: 2/26/2009 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  |  | Problem Description:                   |  | Recommended Solution:                                                                                                                                                                                                                                                            |  |
| BASELINE |  | (Q-51422-020)CONDENSER REQUIRES REPAIR |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR HEADS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |

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| <b>Task/Abbreviation:</b> Q-51422-021- -A/C COND - RPR SHELL |  |                     |  | <b>MJC:</b> EXECJ184 |  | <b>Rev Date:</b> 2/26/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 0        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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|----------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                     |
| BASELINE       | (Q-51422-021)CONDENSER REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51422-022- -A/C COND - REPL TB |  |              |  | MJC: EXECJ192 |  | Rev Date: 2/26/2009 |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-51422-022)CONDENSER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51422-023- -A/C COND - REPL ZINCS |  |                                        |  | <b>MJC:</b> EXECJ200 |  | <b>Rev Date:</b> 2/26/2009                                                                                                                                                                                                                                         |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0                                                                                                                                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                  |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                    |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                       |  |                          |  |                |  |
| BASELINE                                                      |  | (Q-51422-023)ZINCS REQUIRE REPLACEMENT |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-51422-024- -A/C COND - REROLL TB |  |              |  | MJC: EXECJ208 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-51422-024)CONDENSER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51422-025- -A/C COND - RPR TB SH |  |                     |  | <b>MJC:</b> EXECJ216 |  | <b>Rev Date:</b> 2/26/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 18       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                       | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                  |
| BASELINE       | (Q-51422-025)CONDENSER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------------|--|---------------------|--|----------------------|--|----------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-51422-026- -A/C COND-REPL TB BUNDLE |  |                     |  | <b>MJC:</b> EXECJ224 |  | <b>Rev Date:</b> 2/26/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 16       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                | <b>Recommended Solution:</b>                                                                                                                                                                                                                                          |
| BASELINE       | (Q-51422-026)CONDENSER TUBE BUNDLE<br>REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION.<br>MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE<br>BUNDLE. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW<br>SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51422-027- -A/C COND-RPR SPRT PLATES |  |                     |  | <b>MJC:</b> EXECJ232 |  | <b>Rev Date:</b> 2/26/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 18       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                               | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                   |
| BASELINE       | (Q-51422-027)CONDENSER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-51422-028- -A/C SW CIRC PMP MOT-RWND |  |              |  | MJC: EXECJE05 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,016 |  | ManDays: 42       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                       |
| BASELINE | (Q-51422-028)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                          |  |              |  |               |  |                  |  |                   |  |         |  |
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| Task/Abbreviation: Q-51422-029- -A/C SW CIRC PMP MOT-RPR |  |              |  | MJC: EXECJE13 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,016 |  | ManDays: 42       |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                    |
| BASELINE | (Q-51422-029)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

|                                                               |  |              |  |               |  |                  |  |                   |  |         |  |
|---------------------------------------------------------------|--|--------------|--|---------------|--|------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-51422-030- -A/C SW CIRC PMP MOT BRG-REPL |  |              |  | MJC: EXECJE21 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,008 |  | ManDays: 21       |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                         |
| BASELINE | (Q-51422-030)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------|---------|---------------|------------------|--------------|-----------|-------------------|
| Task/Abbreviation: Q-51422-031- -A/C COMPR MOT-RWND |         |               | MJC: EXECJE29    |              | Rev Date: |                   |
| RCM Analysis:                                       |         | Scheduled: N  | Sit Reqs:        |              | Qty: 5    | Removal Required: |
| Lvl of Maint: 1                                     | Freq: 0 | Equip/Task: 1 | Matl Cost: 6,720 | ManDays: 140 | Alt No:   |                   |
| Referenced Authority:                               |         | Repair Pool:  |                  | MCC: 3       |           |                   |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                     |
| BASELINE | (Q-51422-031)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                    |  |              |  |               |  |                     |  |                   |  |         |  |
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| Task/Abbreviation: Q-51422-032- -A/C COMPR MOT-RPR |  |              |  | MJC: EXECJE37 |  | Rev Date: 3/31/2010 |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 5              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 6,720    |  | ManDays: 140      |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-51422-032)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-51422-033- -A/C COMPR MOT BRG-REPL |  |              | MJC: EXECJE45 |               | Rev Date: |                  |                   |             |         |  |
| RCM Analysis:                                           |  | Scheduled: N |               | Sit Reqs:     |           | Qty: 4           | Removal Required: |             |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |               | Equip/Task: 1 |           | Matl Cost: 3,360 |                   | ManDays: 70 | Alt No: |  |
| Referenced Authority:                                   |  |              | Repair Pool:  |               |           | MCC: 3           |                   |             |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                       |
| BASELINE | (Q-51422-033)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51422-034- -A/C PLT CNTFGL COMPR HE - RPR |              |               | MJC: EXECJAI2    |                   | Rev Date: 3/31/2010 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 10       | Alt No:             |
| Referenced Authority:                                          | Repair Pool: |               | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-51422-034)HEAT EXCHANGER REQUIRES REPAIR | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH REPAIRS TO THE HEAT EXCHANGER. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------------|--------------|---------------|------------------|-------------------|---------------------|
| Task/Abbreviation: Q-51422-035- -A/C PLT CNTFGL COMPR SEALS-RPR |              |               | MJC: EXECJAI3    |                   | Rev Date: 3/31/2010 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 5        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-51422-035)SHAFT SEAL REQUIRES REPLACEMENT | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO REMOVE AND REPLACE SHAFT SEALS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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|---------------------------------------------------------------|--|--------------|--|---------------|--|------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-51422-038- -SW CIRC PMP MECH SEAL - REPL |  |              |  | MJC: EXECJDC2 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,250 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                          |
| BASELINE | (Q-51422-038)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-51422-046- -A/C PLT R-114 - MRC G1B7**MJC:** EXECI901**Rev Date:** 11/4/2009**RCM Analysis:** 7/12/2004**Scheduled:** Y**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-51422-046)THE A/C PLANT R-114 REQUIRES ASSESSMENT.

ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G1B7 AS FOLLOWS: 1. ASSESS OVERALL OPERATION OF A/C PLANT. 2. CONDUCT COMPRESSOR OIL SEAL LEAKAGE INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

|                                                       |              |               |                |                   |                     |
|-------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: I-51422-047- -A/C PLANT - MRC G1Y1 |              |               | MJC: EXECI902  |                   | Rev Date: 3/31/2010 |
| RCM Analysis: 7/12/2004                               | Scheduled: N | Sit Reqs:     | Qty: 5         | Removal Required: |                     |
| Lvl of Maint: 3                                       | Freq: 24     | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-51422-047)THE A/C PLANT REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT ASSESSMENT IN ACCORDANCE WITH MRC G1Y1 AS FOLLOWS: 1. INSPECT AND RECORD A/C PLANT OPERATING AND MAINTENANCE HISTORY. 2. INSPECT MATERIAL CONDITION OF A/C PLANT. 3. INSPECT AND RECORD PARASENSE REFRIGERANT MONITOR STATUS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-51422-051- -A/C PLT R-114 - MRC G1L9 |              |               | MJC: EXECI906  |                   | Rev Date: 11/4/2009 |
| RCM Analysis: 7/12/2004                                   | Scheduled: Y | Sit Reqs:     | Qty: 5         | Removal Required: |                     |
| Lvl of Maint: 3                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-51422-051)THE A/C PLANT R-114 REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G1L9 AS FOLLOWS: 1. TEST/OPERATE ELECTRONIC CONTROL MODULE (ECM). 2. TEST/OPERATE CURRENT LIMITER. 3. TEST THERMISTOR. 4. CHECK PRE-ROTATION VANES (PRV) AND HOT GAS BYPASS (HGBP) SETTINGS. 5. CHECK/INSPECT SETTING OF HGBP. 6. CHECK PRV FULL OPEN AND FULL CLOSED POSITIONS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------------------------|--------------|---------------|--------------------|-------------------|---------|
| Task/Abbreviation: I-51422-067- -AC PLT EQPT VIB TST - MRC G1P1 |              | MJC: EXECIGG0 | Rev Date: 8/4/2008 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1             | Removal Required: |         |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:         | ManDays: 1        | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |                    |                   |         |

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|----------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-51422-067)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-51422-082- -A/C PLANT - MRC A4P3**MJC:** EXECIIC7**Rev Date:** 12/8/2009**RCM Analysis:** 5/16/2008**Scheduled:** N**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 18**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-51422-82) THE A/C PLANT R-134A AND R-236FA  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE A/C PLANT R-134A AND R-236FA ASSESSMENT IN  
ACCORDANCE WITH MRC A4P3 AS FOLLOWS: 1. CONDUCT  
COMPRESSOR OIL SEAL LEAKAGE INSPECTION. 2. RECORD A/C  
PLANT OPERATIONAL PARAMETERS. 3. INSPECT AND RECORD A/C  
PLANT OPERATION AND MAINTENANCE HISTORY. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-51422-083- -A/C PLANT - MRC A4P4**MJC:** EXECIIC8**Rev Date:** 10/8/2009**RCM Analysis:** 5/16/2007**Scheduled:** Y**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-51422-83 ) THE A/C PLANT R-134A AND R-236FA  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE A/C PLANT R-134A AND R-236FA ASSESSMENT IN  
ACCORDANCE WITH MRC A4P4 AS FOLLOWS: 1. PRELIMINARY  
CHECKS. 2. CHECK PREROTATION VANES (PRV), VARIABLE  
GEOMETRY DIFFUSER (VGD), CONDENSER WATER CONTROL VALVE  
(CWCV) AND HOT GAS BYPASS VALVE (HGBV) POSITIONING. 3. TEST  
MICROPROCESSOR CHILL WATER TEMPERATURE CONTROL. 4. TEST  
MICROPROCESSOR CURRENT LIMITER CONTROL. 5. CHECK FOR  
INDICATIONS OF CONDENSER TUBE FOULING. 6. CHECK FOR AIR  
AND NON-CONDENSABLE GASSES. REPORT CONDITIONS FOUND TO  
SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN  
THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-51423-002- -A/C PLT CNTFGL COMPR - RPR |              |               | MJC: EXECQA95    |                       | Rev Date: 3/12/2006 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: YES |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50           | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2           |                       |                     |

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| Reason:  | Problem Description:                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-51423-002)COMPRESSOR REQUIRES REPAIR | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF GEARS, IMPELLERS AND SHAFTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO COMPRESSOR. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND GRIND SHAFT JOURNALS. B. REPAIR OR REPLACE DIFFUSER PLATE, GEARS, IMPELLERS, NOZZLE PLATE, PUMP ASSEMBLY (LUBE OIL), ROTOR SCROLL AND SUPPORT, SHAFTS, SHAFT SEALS, THRUST COLLAR, VANE ASSEMBLY (PRE-ROTATION) AND UNLOADER ASSEMBLY. C. REPLACE COUPLING. D. REPAIR HEAT EXCHANGERS. NOTE: USE SWT 514-21 FOR GUIDANCE. |



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**Task/Abbreviation:** Q-51423-005- -A/C SW CIRC PMP (CPLD) - RPR**MJC:** EXECQ893**Rev Date:** 6/14/2006**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 4**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,250**ManDays:** 50**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51423-005)PUMP REQUIRES REPAIR

DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP TO THE SHOP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS.

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| Task/Abbreviation: Q-51423-007- -A/C COND - INSP/RPR |         |               |                | MJC: EXECQ732 |         | Rev Date:            |  |
| RCM Analysis:                                        |         | Scheduled: N  | Sit Reqs:      |               | Qty: 4  | Removal Required: NO |  |
| Lvl of Maint: 1                                      | Freq: 0 | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20   | Alt No: |                      |  |
| Referenced Authority:                                |         | Repair Pool:  |                | MCC: 2        |         |                      |  |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-51423-007)CONDENSER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE CONDENSER OF THE AIR CONDITIONING PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS & AS DESIGNATED. HYDRO SHELL & TUBE SIDES & REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECT. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPLACE MISSING/UNSERVICEABLE FASTENERS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. ACCOMPLISH STRUCTURAL REPAIRS TO SHELL. I. ACCOMPLISH STRUCTURAL REPAIRS TO HEADS. J. REPLACE HEADS. K. CHEMICALLY CLEAN CONDENSER. L. MECHANICALLY CLEAN CONDERNSER. M. REPLACE TUBE BUNDLE |

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| Task/Abbreviation: Q-51423-008- -A/C CHILLER - INSP/RPR |  |              |  | MJC: EXECQ564 |  | Rev Date:      |  |                      |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: NO |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900 |  | ManDays: 20          |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                |  | MCC: 2               |  |         |  |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-51423-008)CHILLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING RPRS TO THE CHILLER OF THE A/C PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS. HYDRO SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF RPRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPL MISSING OR DAMAGED FASTENERS. ACCOMPLISH A SAT OP TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPL DESIGNATED TUBES. E. REPL ZINCS. F. RECOAT/RPR TUBE SHEETS. G. REMOVE CHILLER TO SHOP FOR RPRS. H. REPL TUBE SHEETS. I. RPR TUBE SUPPORT PLATES. J. ACCOMPLISH STRUCTURAL RPRS TO SHELL. K. ACCOMPLISH STRUCTURAL RPRS TO HEADS. L. REPL HEADS. NOTE: USE SWT TEMPLATE 514-20/514-21 FOR GUIDANCE |

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| Task/Abbreviation: Q-51423-014- -A/C COND - PLUG TB |              |               | MJC: EXECJ169  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 0         | Removal Required: |                     |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 0 | Matl Cost: 900 | ManDays: 14       | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-51423-014)CONDENSER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51423-015- -A/C COND - RPR HEADS |  |              |  | MJC: EXECJ177 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                            |
| BASELINE | (Q-51423-015)CONDENSER REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR HEADS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51423-016- -A/C COND - RPR SHELL |  |                     |  | <b>MJC:</b> EXECJ185 |  | <b>Rev Date:</b> 7/13/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 0        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                     |
| BASELINE       | (Q-51423-016)CONDENSER REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51423-017- -A/C COND - REPL TB |  |                     |  | <b>MJC:</b> EXECJ193 |  | <b>Rev Date:</b> 7/13/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                       |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                     |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 16       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                               |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                      | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE       | (Q-51423-017)CONDENSER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51423-018- -A/C COND - REPL ZINCS |  |                     |  | <b>MJC:</b> EXECJ201 |  | <b>Rev Date:</b> 7/13/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                       |
| BASELINE       | (Q-51423-018)ZINCS REQUIRE REPLACEMENT | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-51423-019- -A/C COND - REROLL TB |  |              |  | MJC: EXECJ209 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-51423-019)CONDENSER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51423-020- -A/C COND - RPR TB SH |  |                     |  | <b>MJC:</b> EXECJ217 |  | <b>Rev Date:</b> 7/14/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 18       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                       | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                  |
| BASELINE       | (Q-51423-020)CONDENSER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51423-021- -A/C COND-REPL TB BUNDLE |  |                     |  | <b>MJC:</b> EXECJ225 |  | <b>Rev Date:</b> 7/13/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 16       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                | <b>Recommended Solution:</b>                                                                                                                                                                                                                                          |
| BASELINE       | (Q-51423-021)CONDENSER TUBE BUNDLE<br>REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION.<br>MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE<br>BUNDLE. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW<br>SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51423-022- -A/C COND-RPR SPRT PLATES |  |              |  | MJC: EXECJ233 |  | Rev Date:  |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0     |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost: |  | ManDays: 18       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |            |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-51423-022)CONDENSER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51423-023- -A/C SW CIRC PMP MOT-RWND |  |              |  | MJC: EXECJE06 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,016 |  | ManDays: 42       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                       |
| BASELINE | (Q-51423-023)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51423-024- -A/C SW CIRC PMP MOT-RPR |              |               | MJC: EXECJE14    |                   | Rev Date: |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |           |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,016 | ManDays: 42       | Alt No:   |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2           |                   |           |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                    |
| BASELINE | (Q-51423-024)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-51423-025- -A/C SW CIRC PMP MOT BRG-REPL |  |                     |  | <b>MJC:</b> EXECJE22 |  | <b>Rev Date:</b>        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,008 |  | <b>ManDays:</b> 21       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                         |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                                                  |
| BASELINE       | (Q-51423-025)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51423-026- -A/C COMPR MOT-RWND |  |                     |  | <b>MJC:</b> EXECJE30 |  | <b>Rev Date:</b>        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                       |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 5           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                     |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 6,720 |  | <b>ManDays:</b> 140      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                               |  |                     |  | <b>Repair Pool:</b>  |  |                         |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                              |
| BASELINE       | (Q-51423-026)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-51423-027- -A/C COMPR MOT-RPR |  |              |  | MJC: EXECJE38 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 5           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 6,720 |  | ManDays: 140      |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-51423-027)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-51423-028- -A/C COMPR MOT BRG-REPL |  |              |  | MJC: EXECJE46 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 5           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 3,360 |  | ManDays: 70       |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                       |
| BASELINE | (Q-51423-028)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51423-029- -A/C PLT CNTFGL COMPR HE - RPR |              |               | MJC: EXECJAI6    |                   | Rev Date: 3/31/2010 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 2                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 10       | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-51423-029)HEAT EXCHANGER REQUIRES REPAIR | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH REPAIRS TO THE HEAT EXCHANGER. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51423-030- -A/C PLT CNTFGL COMPR SEALS-RPR |              |               | MJC: EXECJAI7    |                   | Rev Date: 3/31/2010 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 5           | Removal Required: |                     |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 5        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-51423-030)SHAFT SEAL REQUIRES REPLACEMENT | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO REMOVE AND REPLACE SHAFT SEALS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51423-033- -SW CIRC PMP MECH SEAL - REPL |  |                     |  | <b>MJC:</b> EXECJDC8 |  | <b>Rev Date:</b>        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 2,250 |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                         |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                 | <b>Recommended Solution:</b>                                                                                                                                                                                   |
| BASELINE       | (Q-51423-033)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51423-035- -SW CIRC PMP RT ASSY - RPR |              |               | MJC: EXECJDD0    |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50       | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-51423-035)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.<br>NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-51423-038- -SW CIRC PMP (CC) RT ASSY - RPR |  |              |  | MJC: EXECJDD3 |  | Rev Date: 4/4/2007 |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,250   |  | ManDays: 50       |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-51423-038)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE<br>ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.<br>NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: I-51423-041- -A/C PLT R-114 - MRC G1B7 |              |               | MJC: EXECI916  |                   | Rev Date: 11/4/2009 |
| RCM Analysis: 7/12/2004                                   | Scheduled: Y | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-51423-041)THE A/C PLANT R-114 REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G1B7 AS FOLLOWS: 1. ASSESS OVERALL OPERATION OF A/C PLANT. 2. CONDUCT COMPRESSOR OIL SEAL LEAKAGE INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-51423-042- -A/C PLANT - MRC G1Y1 |  |              | MJC: EXECI917 |               | Rev Date: 3/31/2010 |                |                   |            |         |  |
| RCM Analysis: 7/12/2004                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 5         | Removal Required: |            |         |  |
| Lvl of Maint: 3                                       |  | Freq: 24     |               | Equip/Task: 1 |                     | Matl Cost: 125 |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                 |  |              | Repair Pool:  |               |                     | MCC: 3         |                   |            |         |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-51423-042)THE A/C PLANT REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT ASSESSMENT IN ACCORDANCE WITH MRC G1Y1 AS FOLLOWS: 1. INSPECT AND RECORD A/C PLANT OPERATING AND MAINTENANCE HISTORY. 2. INSPECT MATERIAL CONDITION OF A/C PLANT. 3. INSPECT AND RECORD PARASENSE REFRIGERANT MONITOR STATUS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-51423-046- -A/C PLT R-114 - MRC G1L9 |              |               | MJC: EXECI921  |                   | Rev Date: 11/4/2009 |
| RCM Analysis: 7/12/2004                                   | Scheduled: Y | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-51423-046)THE A/C PLANT R-114 REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G1L9 AS FOLLOWS: 1. TEST/OPERATE ELECTRONIC CONTROL MODULE (ECM). 2. TEST/OPERATE CURRENT LIMITER. 3. TEST THERMISTOR. 4. CHECK PRE-ROTATION VANES (PRV) AND HOT GAS BYPASS (HGBP) SETTINGS. 5. CHECK/INSPECT SETTING OF HGBP. 6. CHECK PRV FULL OPEN AND FULL CLOSED POSITIONS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-51423-055- -AC PLT EQPT VIB TST - MRC G1P1 |              | MJC: EXECIGG1 | Rev Date: 8/4/2008 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1             | Removal Required: |         |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:         | ManDays: 1        | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |                    |                   |         |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-51423-055)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-51423-060- -A/C PLANT - MRC A4P3**MJC:** EXECIIC3**Rev Date:** 3/31/2010**RCM Analysis:** 5/16/2007**Scheduled:** N**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 18**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-51423-60) THE A/C PLANT R-134A AND R-236FA  
REQUIRES ASSESSMENT.ACCOMPLISH THE A/C PLANT R-134A AND R-236FA ASSESSMENT IN  
ACCORDANCE WITH MRC A4P3 AS FOLLOWS: 1. CONDUCT  
COMPRESSOR OIL SEAL LEAKAGE INSPECTION. 2. RECORD A/C  
PLANT OPERATIONAL PARAMETERS. 3. INSPECT AND RECORD A/C  
PLANT OPERATION AND MAINTENANCE HISTORY. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-51423-061- -A/C PLANT - MRC A4P4**MJC:** EXECIIC4**Rev Date:** 10/8/2009**RCM Analysis:** 5/16/2007**Scheduled:** Y**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-51423-61) THE A/C PLANT R-134A AND R-236FA  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE A/C PLANT R-134A AND R-236FA ASSESSMENT IN  
ACCORDANCE WITH MRC A4P4 AS FOLLOWS: 1. PRELIMINARY  
CHECKS. 2. CHECK PREROTATION VANES (PRV), VARIABLE  
GEOMETRY DIFFUSER (VGD), CONDENSER WATER CONTROL VALVE  
(CWCV) AND HOT GAS BYPASS VALVE (HGBV) POSITIONING. 3. TEST  
MICROPROCESSOR CHILL WATER TEMPERATURE CONTROL. 4. TEST  
MICROPROCESSOR CURRENT LIMITER CONTROL. 5. CHECK FOR  
INDICATIONS OF CONDENSER TUBE FOULING. 6. CHECK FOR AIR  
AND NON-CONDENSABLE GASSES. REPORT CONDITIONS FOUND TO  
SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN  
THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-51424-002- -A/C PLT CNTFGL COMPR - RPR**MJC:** EXECQ956**Rev Date:** 3/12/2006**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,250**ManDays:** 50**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51424-002)COMPRESSOR REQUIRES REPAIR

DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF GEARS, IMPELLERS AND SHAFTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO COMPRESSOR. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND GRIND SHAFT JOURNALS. B. REPAIR OR REPLACE DIFFUSER PLATE, GEARS, IMPELLERS, NOZZLE PLATE, PUMP ASSEMBLY (LUBE OIL), ROTOR SCROLL AND SUPPORT, SHAFTS, SHAFT SEALS, THRUST COLLAR, VANE ASSEMBLY (PRE-ROTATION) AND UNLOADER ASSEMBLY. C. REPLACE COUPLING. D. REPAIR HEAT EXCHANGERS. NOTE: USE SWT 514-21 FOR GUIDANCE.

|                                                               |              |               |                  |                       |                     |
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| Task/Abbreviation: Q-51424-005- -A/C SW CIRC PMP (CPLD) - RPR |              |               | MJC: EXECQ894    |                       | Rev Date: 6/14/2006 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: YES |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50           | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3           |                       |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-51424-005)PUMP REQUIRES REPAIR | DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP TO THE SHOP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS. |

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| Task/Abbreviation: Q-51424-007- -A/C COND - INSP/RPR |              |               | MJC: EXECQ733  |                      | Rev Date: |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: NO |           |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20          | Alt No:   |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2         |                      |           |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-51424-007)CONDENSER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE CONDENSER OF THE AIR CONDITIONING PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS & AS DESIGNATED. HYDRO SHELL & TUBE SIDES & REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECT. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPLACE MISSING/UNSERVICEABLE FASTENERS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. ACCOMPLISH STRUCTURAL REPAIRS TO SHELL. I. ACCOMPLISH STRUCTURAL REPAIRS TO HEADS. J. REPLACE HEADS. K. CHEMICALLY CLEAN CONDENSER. L. MECHANICALLY CLEAN CONDERNSER. M. REPLACE TUBE BUNDLE |



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| Task/Abbreviation: Q-51424-008- -A/C CHILLER - INSP/RPR |              |               | MJC: EXECQ565  |                      | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: NO |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20          | Alt No:   |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3         |                      |           |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-51424-008)CHILLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING RPRS TO THE CHILLER OF THE A/C PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS. HYDRO SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF RPRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPL MISSING OR DAMAGED FASTENERS. ACCOMPLISH A SAT OP TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPL DESIGNATED TUBES. E. REPL ZINCS. F. RECOAT/RPR TUBE SHEETS. G. REMOVE CHILLER TO SHOP FOR RPRS. H. REPL TUBE SHEETS. I. RPR TUBE SUPPORT PLATES. J. ACCOMPLISH STRUCTURAL RPRS TO SHELL. K. ACCOMPLISH STRUCTURAL RPRS TO HEADS. L. REPL HEADS. NOTE: USE SWT TEMPLATE 514-20/514-21 FOR GUIDANCE |

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| <b>Task/Abbreviation:</b> Q-51424-012- -A/C COND - PLUG TB |  |                     |  | <b>MJC:</b> EXECJ170 |  | <b>Rev Date:</b> 7/13/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                       |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                     |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 14       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                               |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                   | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE       | (Q-51424-012)CONDENSER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51424-013- -A/C COND - RPR HEADS |  |              |  | MJC: EXECJ178 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  |  | Problem Description:                   |  | Recommended Solution:                                                                                                                                                                                                                                                            |  |
| BASELINE |  | (Q-51424-013)CONDENSER REQUIRES REPAIR |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR HEADS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |

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| <b>Task/Abbreviation:</b> Q-51424-014- -A/C COND - RPR SHELL |  |                                        |  | <b>MJC:</b> EXECJ186 |  | <b>Rev Date:</b> 7/13/2004                                                                                                                                                                                                                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0                                                                                                                                                                                                                                                                    |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                |  | <b>ManDays:</b> 0        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                  |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                               |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                     |  |                          |  |                |  |
| BASELINE                                                     |  | (Q-51424-014)CONDENSER REQUIRES REPAIR |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-51424-015- -A/C COND - REPL TB |  |              |  | MJC: EXECJ194 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-51424-015)CONDENSER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51424-016- -A/C COND - REPL ZINCS |  |                                        |  | <b>MJC:</b> EXECJ202 |  | <b>Rev Date:</b> 7/13/2004                                                                                                                                                                                                                                         |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0                                                                                                                                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                  |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                    |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                       |  |                          |  |                |  |
| BASELINE                                                      |  | (Q-51424-016)ZINCS REQUIRE REPLACEMENT |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-51424-017- -A/C COND - REROLL TB |  |              |  | MJC: EXECJ210 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-51424-017)CONDENSER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51424-018- -A/C COND - RPR TB SH |  |                     |  | <b>MJC:</b> EXECJ218 |  | <b>Rev Date:</b> 7/14/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 18       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                       | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                  |
| BASELINE       | (Q-51424-018)CONDENSER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-51424-019- -A/C COND-REPL TB BUNDLE |  |                     |  | <b>MJC:</b> EXECJ226 |  | <b>Rev Date:</b> 7/13/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 16       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                | <b>Recommended Solution:</b>                                                                                                                                                                                                                                          |
| BASELINE       | (Q-51424-019)CONDENSER TUBE BUNDLE<br>REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION.<br>MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE<br>BUNDLE. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW<br>SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51424-020- -A/C COND-RPR SPRT PLATES |  |              |  | MJC: EXECJ234 |  | Rev Date:  |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0     |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost: |  | ManDays: 18       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |            |  | MCC: 2            |  |         |  |

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| Reason:  |  | Problem Description:                                      |  | Recommended Solution:                                                                                                                                                                                                                                                                          |  |
| BASELINE |  | (Q-51424-020)CONDENSER TUBE SUPPORT PLATES REQUIRE REPAIR |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |

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| Task/Abbreviation: Q-51424-021- -A/C SW CIRC PMP MOT-RWND |  |              |  | MJC: EXECJE07 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,016 |  | ManDays: 42       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                       |
| BASELINE | (Q-51424-021)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51424-023- -A/C SW CIRC PMP MOT BRG-REPL |  |              |  | MJC: EXECJE23 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,008 |  | ManDays: 21       |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                         |
| BASELINE | (Q-51424-023)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51424-024- -A/C COMPR MOT-RWND |  |                     |  | <b>MJC:</b> EXECJE31 |  | <b>Rev Date:</b>        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                       |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 5           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                     |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 6,720 |  | <b>ManDays:</b> 140      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                               |  |                     |  | <b>Repair Pool:</b>  |  |                         |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                                              |
| BASELINE       | (Q-51424-024)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51424-025- -A/C COMPR MOT-RPR |  |              |  | MJC: EXECJE39 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 5           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 6,720 |  | ManDays: 140      |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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|----------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-51424-025)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-51424-026- -A/C COMPR MOT BRG-REPL |  |              |  | MJC: EXECJE47 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 5           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 3,360 |  | ManDays: 70       |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                       |
| BASELINE | (Q-51424-026)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|----------------------------------------------------------------|--------------|---------------|------------------|-------------------|---------------------|
| Task/Abbreviation: Q-51424-027- -A/C PLT CNTFGL COMPR HE - RPR |              |               | MJC: EXECJAJ0    |                   | Rev Date: 3/31/2010 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 10       | Alt No:             |
| Referenced Authority:                                          | Repair Pool: | MCC: 3        |                  |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-51424-027)HEAT EXCHANGER REQUIRES REPAIR | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH REPAIRS TO THE HEAT EXCHANGER. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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|-----------------------------------------------------------------|--------------|---------------|------------------|-------------------|---------------------|
| Task/Abbreviation: Q-51424-028- -A/C PLT CNTFGL COMPR SEALS-RPR |              |               | MJC: EXECJAJ1    |                   | Rev Date: 3/31/2010 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 5        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-51424-028)SHAFT SEAL REQUIRES REPLACEMENT | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO REMOVE AND REPLACE SHAFT SEALS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|---------------------------------------------------------------|---------|---------------|------------------|------------|--------------------|
| Task/Abbreviation: Q-51424-031- -SW CIRC PMP MECH SEAL - REPL |         |               | MJC: EXECJDD4    |            | Rev Date: 4/2/2008 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:        | Qty: 4     | Removal Required:  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 5 | Alt No:            |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3           |            |                    |

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|----------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                          |
| BASELINE | (Q-51424-031)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: I-51424-039- -A/C PLT R-114 - MRC G1B7 |              |               | MJC: EXECI931  |                   | Rev Date: 11/4/2009 |
| RCM Analysis: 7/12/2004                                   | Scheduled: Y | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 3                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-51424-039)THE A/C PLANT R-114 REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G1B7 AS FOLLOWS: 1. ASSESS OVERALL OPERATION OF A/C PLANT. 2. CONDUCT COMPRESSOR OIL SEAL LEAKAGE INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                       |  |              |               |               |                     |                |                   |            |         |  |
|-------------------------------------------------------|--|--------------|---------------|---------------|---------------------|----------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-51424-040- -A/C PLANT - MRC G1Y1 |  |              | MJC: EXECI932 |               | Rev Date: 3/31/2010 |                |                   |            |         |  |
| RCM Analysis: 7/12/2004                               |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 5         | Removal Required: |            |         |  |
| Lvl of Maint: 3                                       |  | Freq: 24     |               | Equip/Task: 1 |                     | Matl Cost: 125 |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                 |  |              | Repair Pool:  |               |                     | MCC: 3         |                   |            |         |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-51424-040)THE A/C PLANT REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT ASSESSMENT IN ACCORDANCE WITH MRC G1Y1 AS FOLLOWS: 1. INSPECT AND RECORD A/C PLANT OPERATING AND MAINTENANCE HISTORY. 2. INSPECT MATERIAL CONDITION OF A/C PLANT. 3. INSPECT AND RECORD PARASENSE REFRIGERANT MONITOR STATUS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-51424-044- -A/C PLT R-114 - MRC G1L9**MJC:** EXECI936**Rev Date:** 11/4/2009**RCM Analysis:** 7/12/2004**Scheduled:** Y**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-51424-044)THE A/C PLANT R-114 REQUIRES ASSESSMENT.

ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G1L9 AS FOLLOWS: 1. TEST/OPERATE ELECTRONIC CONTROL MODULE (ECM). 2. TEST/OPERATE CURRENT LIMITER. 3. TEST THERMISTOR. 4. CHECK PRE-ROTATION VANES (PRV) AND HOT GAS BYPASS (HGBP) SETTINGS. 5. CHECK/INSPECT SETTING OF HGBP. 6. CHECK PRV FULL OPEN AND FULL CLOSED POSITIONS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|-----------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-51424-053- -AC PLT EQPT VIB TST - MRC G1P1 |              |               | MJC: EXECIGG2 |                   | Rev Date: 7/31/2008 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-51424-053)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: I-51424-056- -A/C PLANT - MRC A4P3 |              |               | MJC: EXECIIC5  |                   | Rev Date: 12/8/2009 |
| RCM Analysis: 5/16/2007                               | Scheduled: N | Sit Reqs:     | Qty: 5         | Removal Required: |                     |
| Lvl of Maint: 3                                       | Freq: 18     | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3         |                   |                     |

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|----------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-51424-56 ) THE A/C PLANT R-134A AND R-236FA REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-134A AND R-236FA ASSESSMENT IN ACCORDANCE WITH MRC A4P3 AS FOLLOWS: 1. CONDUCT COMPRESSOR OIL SEAL LEAKAGE INSPECTION. 2. RECORD A/C PLANT OPERATIONAL PARAMETERS. 3. INSPECT AND RECORD A/C PLANT OPERATION AND MAINTENANCE HISTORY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-51424-058- -A/C PLANT - MRC A4P4**MJC:** EXECIIC6**Rev Date:** 10/8/2009**RCM Analysis:** 5/16/2007**Scheduled:** Y**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-51424-58) THE A/C PLANT R-134A AND R-236FA  
REQUIRES ASSESSMENT.ACCOMPLISH THE A/C PLANT R-134A AND R-236FA ASSESSMENT IN  
ACCORDANCE WITH MRC A4P4 AS FOLLOWS: 1. PRELIMINARY  
CHECKS. 2. CHECK PREROTATION VANES (PRV), VARIABLE  
GEOMETRY DIFFUSER (VGD), CONDENSER WATER CONTROL VALVE  
(CWCV) AND HOT GAS BYPASS VALVE (HGBV) POSITIONING. 3. TEST  
MICROPROCESSOR CHILL WATER TEMPERATURE CONTROL. 4. TEST  
MICROPROCESSOR CURRENT LIMITER CONTROL. 5. CHECK FOR  
INDICATIONS OF CONDENSER TUBE FOULING. 6. CHECK FOR AIR  
AND NON-CONDENSABLE GASSES. REPORT CONDITIONS FOUND TO  
SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN  
THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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|-------------------------------------------------------------|--------------|---------------|------------------|-------------------|---------------------|
| Task/Abbreviation: Q-51425-002- -A/C PLT CNTFGL COMPR - RPR |              |               | MJC: EXECQ958    |                   | Rev Date: 3/12/2006 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 5           | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50       | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3           |                   |                     |

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|----------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-51425-002)COMPRESSOR REQUIRES REPAIR | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF GEARS, IMPELLERS AND SHAFTS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO COMPRESSOR. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND GRIND SHAFT JOURNALS. B. REPAIR OR REPLACE DIFFUSER PLATE, GEARS, IMPELLERS, NOZZLE PLATE, PUMP ASSEMBLY (LUBE OIL), ROTOR SCROLL AND SUPPORT, SHAFTS, SHAFT SEALS, THRUST COLLAR, VANE ASSEMBLY (PRE-ROTATION) AND UNLOADER ASSEMBLY. C. REPLACE COUPLING. D. REPAIR HEAT EXCHANGERS. NOTE: USE SWT 514-21 FOR GUIDANCE. |

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**Task/Abbreviation:** Q-51425-005- -A/C SW CIRC PMP (CPLD) - RPR**MJC:** EXECQ807**Rev Date:** 6/14/2006**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 11**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,250**ManDays:** 50**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-51425-005)PUMP REQUIRES REPAIR

DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP TO THE SHOP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS.

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| Task/Abbreviation: Q-51425-007- -A/C COND - INSP/RPR |         |               |            | MJC: EXECQ734 |         | Rev Date:            |  |
| RCM Analysis:                                        |         | Scheduled: N  | Sit Reqs:  |               | Qty: 0  | Removal Required: NO |  |
| Lvl of Maint: 1                                      | Freq: 0 | Equip/Task: 0 | Matl Cost: | ManDays: 0    | Alt No: |                      |  |
| Referenced Authority:                                |         | Repair Pool:  |            | MCC: 2        |         |                      |  |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-51425-007)CONDENSER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE CONDENSER OF THE AIR CONDITIONING PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS & AS DESIGNATED. HYDRO SHELL & TUBE SIDES & REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECT. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPLACE MISSING/UNSERVICEABLE FASTENERS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. ACCOMPLISH STRUCTURAL REPAIRS TO SHELL. I. ACCOMPLISH STRUCTURAL REPAIRS TO HEADS. J. REPLACE HEADS. K. CHEMICALLY CLEAN CONDENSER. L. MECHANICALLY CLEAN CONDENSER. M. REPLACE TUBE BUNDLE |

|                                                         |              |               |               |                      |           |
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| Task/Abbreviation: Q-51425-008- -A/C CHILLER - INSP/RPR |              |               | MJC: EXECQ566 |                      | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 0        | Removal Required: NO |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 0 | Matl Cost:    | ManDays: 0           | Alt No:   |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2        |                      |           |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-51425-008)CHILLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING RPRS TO THE CHILLER OF THE A/C PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS. HYDRO SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF RPRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPL MISSING OR DAMAGED FASTENERS. ACCOMPLISH A SAT OP TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPL DESIGNATED TUBES. E. REPL ZINCS. F. RECOAT/RPR TUBE SHEETS. G. REMOVE CHILLER TO SHOP FOR RPRS. H. REPL TUBE SHEETS. I. RPR TUBE SUPPORT PLATES. J. ACCOMPLISH STRUCTURAL RPRS TO SHELL. K. ACCOMPLISH STRUCTURAL RPRS TO HEADS. L. REPL HEADS. NOTE: USE SMWG TEMPLATE #514-20 FOR GUIDANCE |

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| Task/Abbreviation: Q-51425-011- -A/C COND - PLUG TB |  |              |  | MJC: EXECJ171 |  | Rev Date: 7/14/2004 |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 14       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-51425-011)CONDENSER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51425-012- -A/C COND - RPR HEADS |  |                     |  | <b>MJC:</b> EXECJ179 |  | <b>Rev Date:</b> 7/13/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 0        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                     |
| BASELINE       | (Q-51425-012)CONDENSER REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR HEADS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51425-013- -A/C COND - RPR SHELL |  |              |  | MJC: EXECJ187 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                            |
| BASELINE | (Q-51425-013)CONDENSER REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51425-014- -A/C COND - REPL TB |  |                     |  | <b>MJC:</b> EXECJ195 |  | <b>Rev Date:</b> 7/14/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                       |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                     |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 16       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                               |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                      | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE       | (Q-51425-014)CONDENSER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-51425-015- -A/C COND - REPL ZINCS |  |                                        |  | <b>MJC:</b> EXECJ203 |  | <b>Rev Date:</b> 7/13/2004                                                                                                                                                                                                                                         |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0                                                                                                                                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                  |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                    |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                       |  |                          |  |                |  |
| BASELINE                                                      |  | (Q-51425-015)ZINCS REQUIRE REPLACEMENT |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-51425-016- -A/C COND - REROLL TB |  |              |  | MJC: EXECJ211 |  | Rev Date: 7/14/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-51425-016)CONDENSER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51425-017- -A/C COND - RPR TB SH |  |              |  | MJC: EXECJ219 |  | Rev Date: 7/14/2004 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:          |  | ManDays: 18       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                              | Recommended Solution:                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-51425-017)CONDENSER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51425-018- -A/C COND-REPL TB BUNDLE |  |                                                            |  | MJC: EXECJ227 |  | Rev Date: 7/14/2004                                                                                                                                                                                                                                                   |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N                                               |  | Sit Reqs:     |  | Qty: 0                                                                                                                                                                                                                                                                |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0                                                    |  | Equip/Task: 0 |  | Matl Cost:                                                                                                                                                                                                                                                            |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                                    |  |                                                            |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                       |  | MCC: 2            |  |         |  |
| Reason:                                                  |  | Problem Description:                                       |  |               |  | Recommended Solution:                                                                                                                                                                                                                                                 |  |                   |  |         |  |
| BASELINE                                                 |  | (Q-51425-018)CONDENSER TUBE BUNDLE<br>REQUIRES REPLACEMENT |  |               |  | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION.<br>MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE<br>BUNDLE. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW<br>SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-51425-019- -A/C COND-RPR SPRT PLATES |  |              |  | MJC: EXECJ235 |  | Rev Date:  |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0     |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost: |  | ManDays: 18       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |            |  | MCC: 2            |  |         |  |

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| Reason:  |  | Problem Description:                                      |  | Recommended Solution:                                                                                                                                                                                                                                                                          |  |
| BASELINE |  | (Q-51425-019)CONDENSER TUBE SUPPORT PLATES REQUIRE REPAIR |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |

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| Task/Abbreviation: Q-51425-020- -A/C SW CIRC PMP MOT-RWND |  |              |  | MJC: EXECJE08 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 5           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,016 |  | ManDays: 42       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                       |
| BASELINE | (Q-51425-020)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51425-022- -A/C SW CIRC PMP MOT BRG-REPL |  |                     |  | <b>MJC:</b> EXECJE24 |  | <b>Rev Date:</b>        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 5           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,008 |  | <b>ManDays:</b> 21       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                         |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                                                  |
| BASELINE       | (Q-51425-022)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE SEA WATER CIRCULATING PUMP OF THE AIR CONDITIONING SYSTEM. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51425-023- -A/C COMPR MOT-RWND |  |              |  | MJC: EXECJE32 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 5           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 6,720 |  | ManDays: 140      |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                     |
| BASELINE | (Q-51425-023)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-51425-024- -A/C COMPR MOT-RPR |  |              |  | MJC: EXECJE40 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 5           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 6,720 |  | ManDays: 140      |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-51425-024)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-51425-025- -A/C COMPR MOT BRG-REPL |  |              | MJC: EXECJE48 |               | Rev Date: |                  |                   |             |         |  |
| RCM Analysis:                                           |  | Scheduled: N |               | Sit Reqs:     |           | Qty: 5           | Removal Required: |             |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |               | Equip/Task: 1 |           | Matl Cost: 3,360 |                   | ManDays: 70 | Alt No: |  |
| Referenced Authority:                                   |  |              | Repair Pool:  |               |           | MCC: 3           |                   |             |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                       |
| BASELINE | (Q-51425-025)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE AIR CONDITIONING PLANT COMPRESSOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51425-026- -A/C PLT CNTFGL COMPR HE - RPR |              |               | MJC: EXECJAJ4    |                   | Rev Date: 3/31/2010 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 10       | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-51425-026)HEAT EXCHANGER REQUIRES REPAIR | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH REPAIRS TO THE HEAT EXCHANGER. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51425-027- -A/C PLT CNTFGL COMPR SEALS-RPR |                     |                      | <b>MJC:</b> EXECJAJ5    |                          | <b>Rev Date:</b> 3/31/2010 |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 4           | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 2,250 | <b>ManDays:</b> 5        | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                           |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3           |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE       | (Q-51425-027)SHAFT SEAL REQUIRES REPLACEMENT | DISASSEMBLE THE COMPRESSOR (CENTRIFUGAL) OF THE AIR CONDITIONING PLANT TO THE EXTENT NECESSARY TO REMOVE AND REPLACE SHAFT SEALS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, O-RINGS, ROLL RING SEALS AND SNAP RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51425-030- -SW CIRC PMP MECH SEAL - REPL |         | MJC: EXECJDE0 |                  | Rev Date:  |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:        | Qty: 5     | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 5 | Alt No:           |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3           |            |                   |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                          |
| BASELINE | (Q-51425-030)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51425-032- -SW CIRC PMP RT ASSY - RPR |              |               | MJC: EXECJDE2    |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 5           | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50       | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-51425-032)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.<br>NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-51425-035- -SW CIRC PMP (CC) RT ASSY - RPR |  |              |  | MJC: EXECJDE5 |  | Rev Date: 4/4/2008 |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 5             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,250   |  | ManDays: 50       |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-51425-035)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE<br>ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.<br>NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: I-51425-037- -AC PLT EQPT VIB TST - MRC G1P1 |              |               | MJC: EXECIGG3 |                   | Rev Date: 8/4/2008 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-51425-037)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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**Task/Abbreviation:** I-51425-040- -A/C PLANT -MRC G1Y1**MJC:** EXECIH82**Rev Date:** 7/22/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-51425-040)THE A/C PLANT REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE A/C PLANT ASSESSMENT IN ACCORDANCE WITH MRC G1Y1 AS FOLLOWS: 1. INSPECT AND RECORD A/C PLANT OPERATING AND MAINTENANCE HISTORY. 2. INSPECT MATERIAL CONDITION OF A/C PLANT. 3. INSPECT AND RECORD PARASENSE REFRIGERANT MONITOR STATUS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-51425-053- -A/C PLANT - MRC A4P3**MJC:** EXECIIC9**Rev Date:** 12/8/2009**RCM Analysis:** 5/16/2007**Scheduled:** N**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 18**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-51425-53) THE A/C PLANT R-134A AND R-236FA  
REQUIRES ASSESSMENT.ACCOMPLISH THE A/C PLANT R-134A AND R-236FA ASSESSMENT IN  
ACCORDANCE WITH MRC A4P3 AS FOLLOWS: 1. CONDUCT  
COMPRESSOR OIL SEAL LEAKAGE INSPECTION. 2. RECORD A/C  
PLANT OPERATIONAL PARAMETERS. 3. INSPECT AND RECORD A/C  
PLANT OPERATION AND MAINTENANCE HISTORY. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-51425-054- -A/C PLANT - MRC A4P4**MJC:** EXECIID0**Rev Date:** 10/8/2009**RCM Analysis:** 5/16/2007**Scheduled:** Y**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:** 125**ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-51425-54) THE A/C PLANT R-134A AND R-236FA  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE A/C PLANT R-134A AND R-236FA ASSESSMENT IN  
ACCORDANCE WITH MRC A4P4 AS FOLLOWS: 1. PRELIMINARY  
CHECKS. 2. CHECK PREROTATION VANES (PRV), VARIABLE  
GEOMETRY DIFFUSER (VGD), CONDENSER WATER CONTROL VALVE  
(CWCV) AND HOT GAS BYPASS VALVE (HGBV) POSITIONING. 3. TEST  
MICROPROCESSOR CHILL WATER TEMPERATURE CONTROL. 4. TEST  
MICROPROCESSOR CURRENT LIMITER CONTROL. 5. CHECK FOR  
INDICATIONS OF CONDENSER TUBE FOULING. 6. CHECK FOR AIR  
AND NON-CONDENSABLE GASSES. REPORT CONDITIONS FOUND TO  
SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN  
THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-51425-057- -A/C PLT R-114 - MRC G1B7 |              |               | MJC: EXECIIH5  |                   | Rev Date: 11/4/2009 |
| RCM Analysis:                                             | Scheduled: Y | Sit Reqs:     | Qty: 5         | Removal Required: |                     |
| Lvl of Maint: 3                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-51425-057)THE A/C PLANT R-114 REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G1B7 AS FOLLOWS: 1. ASSESS OVERALL OPERATION OF A/C PLANT. 2. CONDUCT COMPRESSOR OIL SEAL LEAKAGE INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-51425-058- -A/C PLT R-114 - MRC G1L9 |              |               | MJC: EXECIIH7  |                   | Rev Date: 11/4/2009 |
| RCM Analysis:                                             | Scheduled: Y | Sit Reqs:     | Qty: 5         | Removal Required: |                     |
| Lvl of Maint: 3                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1        | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-51425-058)THE A/C PLANT R-114 REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G1L9 AS FOLLOWS: 1. TEST/OPERATE ELECTRONIC CONTROL MODULE (ECM). 2. TEST/OPERATE CURRENT LIMITER. 3. TEST THERMISTOR. 4. CHECK PRE-ROTATION VANES (PRV) AND HOT GAS BYPASS (HGBP) SETTINGS. 5. CHECK/INSPECT SETTING OF HGBP. 6. CHECK PRV FULL OPEN AND FULL CLOSED POSITIONS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-51425-061- -A/C PLANT - MRC G3N1 |          | MJC: EXECIIT3 |                | Rev Date: 6/14/2010 |                   |
| RCM Analysis:                                         |          | Scheduled: Y  | Sit Reqs:      | Qty: 5              | Removal Required: |
| Lvl of Maint: 3                                       | Freq: 24 | Equip/Task: 1 | Matl Cost: 125 | ManDays: 1          | Alt No:           |
| Referenced Authority:                                 |          | Repair Pool:  | MCC: 3         |                     |                   |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-51425-061) THE A/C PLANT R-114 REQUIRES ASSESSMENT. | ACCOMPLISH THE A/C PLANT R-114 ASSESSMENT IN ACCORDANCE WITH MRC G3N1 AS FOLLOWS: TEST OPERATE PRESSURE AND TEMPERATURE SWITCHES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-51611-003- -SS REFR COMPR - RPR |              |               | MJC: EXECQ752    |                      | Rev Date: |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 3           | Removal Required: NO |           |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50          | Alt No:   |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2           |                      |           |

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| Reason:  | Problem Description:                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-51611-003)COMPRESSOR REQUIRES REPAIR | DISASSEMBLE THE COMPRESSOR (RECIPROCATING) OF THE SHIP SERVICE REFRIGERATION PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH REPAIRS. MEASURE AND RECORD AS-FOUND AND POST-REPAIR DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF CONNECTING RODS, CRANKSHAFT AND PISTON ASSEMBLIES. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW GASKETS AND SEALS. REPLACE MISSING OR DAMAGED FASTENERS. ALIGN MOTOR TO COMPRESSOR. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND GRIND CRANKSHAFT JOURNALS. B. REPLACE CRANKSHAFT, CRANKSHAFT BEARINGS, CRANKPIN BEARING INSERTS, AND PISTON RING SETS. C. REPLACE OR REBUSH WRIST PINS. D. RESURFACE VALVE PLATES AND REPLACE VALVE STRIPS. E. HONE CYLINDERS. F. REPAIR UNLOADER ASSEMBLY. G. REPAIR LUBE OIL PUMP ASSEMBLY. NOTE: USE SWT 516-02 FOR GUIDANCE. |

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| Task/Abbreviation: Q-51611-004- -SS REFR COND - RPR |              |               | MJC: EXECQ553  |                      | Rev Date: 11/8/2002 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 3         | Removal Required: NO |                     |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20          | Alt No:             |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 2         |                      |                     |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-51611-004)CONDENSER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE CONDENSER OF THE REFRIGERATION PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS & AS DESIGNATED. HYDRO SHELL & TUBE SIDES & REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECT. REPORT CONDITIONS FOUND TO NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS & REPLACE MISSING/UNSERVICEABLE FASTENERS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. REROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REMOVE CONDENSER TO SHOP FOR REPAIRS. H. REPLACE TUBE SHEETS. I. REPAIR TUBE SUPPORT PLATES. J. ACCOMPLISH STRUCTURAL REPAIRS TO SHELL. K. ACCOMPLISH STRUCTURAL REPAIRS TO HEADS. L. REPLACE HEADS. |



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| Task/Abbreviation: Q-51611-012- -SS REFR PLT - RPR AND TST |              |               | MJC: EXECQAW0    |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50       | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2           |                   |                     |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-51611-012)REFRIGERATION PLANT REQUIRES REPAIR | TEST AND REPAIR THE SHIPS SERVICE REFRIGERATION PLANT PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM FOLLOWING, ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. REMOVE AND STORE REFRIGERANT. B. REMOVE LAGGING AND INSULATION AND REPLACE WITH NEW ON COMPLETION OF REPAIRS. C. REMOVE, REPAIR & INSTALL SALT WATER REGULATING VALVES. D. PRESSURE TEST CONDENSER AND PIPING. REPAIR SYSTEM LEAKS. REROLL LEAKING CONDENSER TUBES. E. DISASSEMBLE COMPRESSOR. CLEAN AND INSPECT PARTS FOR WEAR AND DEFECTS. ASSEMBLE COMPRESSOR USING NEW PARTS FOR THOSE FOUND DEFECTIVE. F. REPAIR OR REPLACE WITH NEW THERMOMETERS AND GAGES. NOTE: USE SWWG TEMPLATES 516-01 AND 516-11 FOR GUIDANCE. |

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| <b>Task/Abbreviation:</b> Q-51611-020- -SS REFR COND - PLUG TB |  |                     |  | <b>MJC:</b> EXECJ570 |  | <b>Rev Date:</b> 7/14/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 3              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                         |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 900      |  | <b>ManDays:</b> 14       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                   |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                   | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE       | (Q-51611-020)CONDENSER TUBES REQUIRE PLUGGING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51611-021- -SS REFR COND - RPR HEADS |              |               | MJC: EXECJ571  |                   | Rev Date: 7/13/2004 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 3         | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20       | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                            |
| BASELINE | (Q-51611-021)CONDENSER REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR HEADS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51611-022- -SS REFR COND - RPR SHELL |  |              |  | MJC: EXECJ572 |  | Rev Date: 7/13/2004 |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900      |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                            |
| BASELINE | (Q-51611-022)CONDENSER REQUIRES REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51611-023- -SS REFR COND - REPL TB |  |              |  | MJC: EXECJ573 |  | Rev Date: 7/14/2004 |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900      |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-51611-023)CONDENSER TUBES REQUIRE REPLACEMENT | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51611-024- -SS REFR COND - REPL ZINCS |  |                                        |  | <b>MJC:</b> EXECJ574 |  | <b>Rev Date:</b> 7/13/2004                                                                                                                                                                                                                                         |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 3                                                                                                                                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 900                                                                                                                                                                                                                                              |  | <b>ManDays:</b> 12       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                    |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                    |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                       |  |                          |  |                |  |
| BASELINE                                                          |  | (Q-51611-024)ZINCS REQUIRE REPLACEMENT |  |                      |  | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-51611-025- -SS REFR COND - REROLL TB |  |              |  | MJC: EXECJ575 |  | Rev Date: 7/14/2004 |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900      |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-51611-025)CONDENSER TUBES REQUIRE REROLLING | HYDROSTATICALLY TEST CONDENSER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51611-026- -SS REFR COND - RPR TB SH |              |               | MJC: EXECJ576  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 3         | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 18       | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                              | Recommended Solution:                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-51611-026)CONDENSER TUBE SHEETS REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| <b>Task/Abbreviation:</b> Q-51611-027- -SS REFR COND-REPL TB BUNDLE |  |                     |  | <b>MJC:</b> EXECJ577 |  | <b>Rev Date:</b> 7/14/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 3              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 900      |  | <b>ManDays:</b> 16       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                | <b>Recommended Solution:</b>                                                                                                                                                                                                                                          |
| BASELINE       | (Q-51611-027)CONDENSER TUBE BUNDLE<br>REQUIRES REPLACEMENT | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION.<br>MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE<br>BUNDLE. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW<br>SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS.<br>ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51611-028- -SS REFR COND-RPR SPRT PLATES |  |                     |  | <b>MJC:</b> EXECJ578 |  | <b>Rev Date:</b>      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 3         |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 900 |  | <b>ManDays:</b> 18       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                       |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                               | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                   |
| BASELINE       | (Q-51611-028)CONDENSER TUBE SUPPORT PLATES REQUIRE REPAIR | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE CONDENSER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51611-029- -SS REFR COMPR MOT-RWND |  |              |  | MJC: EXECJB01 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,632 |  | ManDays: 34       |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                     |
| BASELINE | (Q-51611-029)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE REFRIGERATION COMPRESSOR ELECTRIC MOTOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-51611-030- -SS REFR COMPR MOT-RPR |  |                     |  | <b>MJC:</b> EXECJB02 |  | <b>Rev Date:</b>        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 3           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,632 |  | <b>ManDays:</b> 34       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                     |  | <b>Repair Pool:</b>  |  |                         |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                                                                                                                           |
| BASELINE       | (Q-51611-030)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE REFRIGERATION COMPRESSOR ELECTRIC MOTOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-51611-031- -SS REFR COMPR MOT BRG-REPL |  |                     |  | <b>MJC:</b> EXECJB03 |  | <b>Rev Date:</b>      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 3         |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 816 |  | <b>ManDays:</b> 17       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                     |  | <b>Repair Pool:</b>  |  |                       |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                              | <b>Recommended Solution:</b>                                                                                                                                |
| BASELINE       | (Q-51611-031)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE REFRIGERATION COMPRESSOR ELECTRIC MOTOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-51611-032- -SS REFR MOT TO COMPR - ALIGN |         |               | MJC: EXECJAH0 |            | Rev Date: 5/31/2005 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:     | Qty: 3     | Removal Required:   |
| Lvl of Maint: 2                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 50 | ManDays: 2 | Alt No:             |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2        |            |                     |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                         |
| BASELINE | (Q-51611-032)COMPRESSOR MOTOR OF SHIP SERVICE REFRIGERATION PLANT REQUIRES ALIGNMENT | DISASSEMBLE THE COMPRESSOR (RECIPROCATING) OF THE SHIP SERVICE REFRIGERATION PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH ALIGNMENT. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 516-02 FOR GUIDANCE. |

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| Task/Abbreviation: Q-51611-033- -SS REFR COMPR (VLV PL) - RPR |  |              |  | MJC: EXECJAH1 |  | Rev Date: 5/25/2005 |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,250    |  | ManDays: 50       |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                        |
| BASELINE | (Q-51611-033)VALVE PLATE REQUIRES RESURFACE. | DISASSEMBLE THE COMPRESSOR (RECIPROCATING) OF THE SHIP SERVICE REFRIGERATION PLANT TO THE EXTENT NECESSARY TO RESURFACE VALVE PLATES AND REPLACE VALVE STRIPS. REASSEMBLE AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 516-02 FOR GUIDANCE. |

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| Task/Abbreviation: Q-51611-034- -SS REFR COMPR (UNLOADER) - RPR |              |               | MJC: EXECJAH2    |                   | Rev Date: 5/25/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 3           | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50       | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                     |
| BASELINE | (Q-51611-034)UNLOADER ASSEMBLY REQUIRES REPAIR | DISASSEMBLE THE COMPRESSOR (RECIPROCATING) OF THE SHIP SERVICE REFRIGERATION PLANT TO THE EXTENT NECESSARY TO REPAIR THE UNLOADER ASSEMBLY. REASSEMBLE AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 516-02 FOR GUIDANCE. |



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| Task/Abbreviation: Q-51611-035- -SS REFR COMPR (LO PMP) - RPR |  |                                   |  | MJC: EXECJAH3 |  | Rev Date:                                                                                                                                                                                                                                      |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N                      |  | Sit Reqs:     |  | Qty: 3                                                                                                                                                                                                                                         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0                           |  | Equip/Task: 1 |  | Matl Cost: 2,250                                                                                                                                                                                                                               |  | ManDays: 50       |  | Alt No: |  |
| Referenced Authority:                                         |  |                                   |  | Repair Pool:  |  |                                                                                                                                                                                                                                                |  | MCC: 3            |  |         |  |
| Reason:                                                       |  | Problem Description:              |  |               |  | Recommended Solution:                                                                                                                                                                                                                          |  |                   |  |         |  |
| BASELINE                                                      |  | (Q-51611-035)PUMP REQUIRES REPAIR |  |               |  | DISASSEMBLE THE COMPRESSOR (RECIPROCATING) OF THE SHIP SERVICE REFRIGERATION PLANT TO THE EXTENT NECESSARY TO REPAIR THE LUBE OIL PUMP ASSEMBLY. REASSEMBLE AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 516-02 FOR GUIDANCE. |  |                   |  |         |  |

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| Task/Abbreviation: Q-51611-036- -SS REFR COMPR (LO PMP) - REPL |  |                                        |  | MJC: EXECJAH4 |  | Rev Date:                                                                                                                                                                                                                                                            |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 3                                                                                                                                                                                                                                                               |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 2,250                                                                                                                                                                                                                                                     |  | ManDays: 50       |  | Alt No: |  |
| Referenced Authority:                                          |  |                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                      |  | MCC: 3            |  |         |  |
| Reason:                                                        |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                                |  |                   |  |         |  |
| BASELINE                                                       |  | (Q-51611-036)PUMP REQUIRES REPLACEMENT |  |               |  | DISASSEMBLE THE COMPRESSOR (RECIPROCATING) OF THE SHIP SERVICE REFRIGERATION PLANT TO THE EXTENT NECESSARY TO REMOVE AND REPLACE WITH NEW, THE LUBE OIL PUMP ASSEMBLY. REASSEMBLE AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 516-02 FOR GUIDANCE. |  |                   |  |         |  |

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| Task/Abbreviation: I-51611-037- -REFR PLT - MRC G1M1 |              |               | MJC: EXECI944 |                   | Rev Date: 12/22/2005 |
| RCM Analysis: 7/12/2004                              | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 1  | ManDays: 1        | Alt No:              |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-51611-037)THE REFRIGERATION PLANT REQUIRES ASSESSMENT. | ACCOMPLISH THE REFRIGERATION PLANT ASSESSMENT IN ACCORDANCE WITH MRC G1M1 AS FOLLOWS: 1. INSPECT AND RECORD REFRIGERATION PLANT OPERATING AND MAINTENANCE HISTORY. 2. INSPECT MATERIAL CONDITION OF REFRIGERATION PLANT. 3. INSPECT AND RECORD REFRIGERANT MONITOR CONFIGURATION STATUS. 4. TEST REFRIGERATION PLANT FOR LEAKS. 5. INSPECT REFRIGERATION PLANT DRIVE BELTS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-51611-044- -RSS COMPR VIB TST - MRC G1P1 |  |              | MJC: EXECIGG5 |               | Rev Date: 8/4/2008 |            |                   |            |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                         |  |              |               | Repair Pool:  |                    |            | MCC: 3            |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-51611-044)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-52011-001- -BTFly SEA VLVS - INSP/RPR**MJC:** EXECM117**Rev Date:** 6/27/2007**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** X**Removal Required:** YES**Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** X **Matl Cost:** 225 **ManDays:** 5 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-52011-001)NSTM REQUIREMENT DUE

REMOVE THE DESIGNATED BUTTERFLY SEA VALVES TO SHOP AFTER OPERATIONAL IN-PLACE TESTING WITH CORRESPONDING ACTUATORS. DISASSEMBLE VALVES FOR CLEANING AND INSPECTION OF ALL COMPONENTS, INCLUDING SEATING SURFACES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE VALVES USING NEW GASKETS AND SEALS, POLISH AND STRAIGHTEN STEM. REPLACE UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY SHOP-TEST. INSTALL VALVES IN ORIGINAL LOCATION AND ORIENTATION ABOARD SHIP USING NEW GASKETS AND REPLACING UNSERVICEABLE FASTENERS. INSTALL ACTUATORS, IF FITTED, AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST: A. REPLACE BOOT. B. REPLACE VALVE. NOTE: 1. VALVES SMALLER THAN 4 INCHES TO BE REPLACED. 2. USE SMWG TEMPLATE #520-01 FOR GUIDANCE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-52011-002- -GATE SEA VLVS - INSP/RPR |  |              |               | MJC: EXECM118 |                | Rev Date: 6/27/2007 |                       |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N | Sit Reqs: D/D |               | Qty: X         |                     | Removal Required: YES |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      | Equip/Task: X |               | Matl Cost: 225 |                     | ManDays: 5            |  | Alt No: |  |
| Referenced Authority:                                     |  |              |               | Repair Pool:  |                | MCC: 2              |                       |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-52011-002)NSTM REQUIREMENT DUE | OPEN, IN-PLACE, DESIG GATE VLVS FOR CLN & INSP OF COMPONENTS. CLN & BLUE-CHECK SEAT CONTACT SURFACES. ACCOMP DYE PENETRANT CHECK OF SEAT & DISC. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMP OF RPRS, AS AUTH FROM FOLLOWING LIST, REASSEM VLVS USING NEW PACKING & REPL UNSERV FASTENERS. PROVE TIGHT. A. REMOVE BONNET ASSEMBLY TO SHOP. B. WELD BUILD-UP GATE AND MACHINE. C. WELD BUILD-UP AND MACHINE SEAT IN-PLACE. D. WELD BUILD-UP AND MACHINE BONNET FLANGES. E. WELD BUILD-UP AND MACHINE GUIDES. F. REPLACE SEAT RINGS. G. DRESS VLV STEM IN WAY OF PKNG AREA & CHASE THREADS. H. REPLACE VALVE STEM. I. REPLACE GUIDES. J. REPLACE VALVE. K. REMOVE VALVE TO SHOP TO ACCOMPLISH REPAIRS. NOTES: 1. REPLACE VALVES 6 INCHES OR SMALLER. 2. INCLUDE RODMETER SEA VALVE. 3. USE SWT TEMPLATE 520-01 FOR GUIDANCE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-52011-003- -GLOBE SEA VLVS - INSP/RPR**MJC:** EXECM119**Rev Date:** 6/27/2007**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** X**Removal Required:** YES**Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** X **Matl Cost:** 225 **ManDays:** 5 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 2**Reason:** **Problem Description:**

BASELINE (I-52011-003)NSTM REQUIREMENT DUE

**Recommended Solution:**

OPEN DESIG GLOBE VLVS IN PLACE. CLN, BLUE CHK SEAT & DISC CONTACT SURFACES & ACCOMP DYE PENETRANT CHK. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPL OF RPRS, AS AUTH FROM FOLLOWING LIST, REASSEM VLVS USING NEW PKG & REPL UNSERVICEABLE FASTENERS. PROVE TIGHT & ACCOMP OP TEST: A. RMV BONNET/DISC ASSY TO SHOP. WELD DISC & REMACH. B. WELD BUILD UP AND MACH SEAT IN PLACE. C. WELD BUILD UP AND MAC BONNET FLANGES. D. INST REPLACEMENT SEAT RINGS. E. DRESS VLV STEM IN WAY OF PKG AREA & CHASE THDS. F. REPL VLV STEM. G. REPL VLV. H. RMV VLV TO SHOP TO ACCOMP RPRS. I. PROV & INSTL REPLACEMENT DISC & SEAT & MACH, GRIND OR LAP AND SPOT-IN DISC TO SEAT. J. CONNECT VLV ACTUATORS TO CORRESPONDING VLVS & SET TRAVEL LIMITS AND INDICATORS. NOTE: 1. REPLACE VALVES 4 INCHES OR SMALLER. 2. USE SWT TEMPLATE 520-01 FOR GUIDANCE." PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|---------------------------------------------------------------|--------------|---------------|----------------|-----------------------|---------------------|
| Task/Abbreviation: Q-52011-004- -SEA VLV ACTR SHOP - INSP/RPR |              |               | MJC: EXECQ516  |                       | Rev Date: 2/26/2009 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: YES |                     |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: X | Matl Cost: 225 | ManDays: 5            | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2         |                       |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-52011-004)VALVE ACTUATOR REQUIRES REPAIR | OPERATIONALLY TEST THE VALVE ACTUATORS INPLACE PRIOR TO REMOVAL FOR (IN SHOP) REPAIRS. DISASSEMBLE OPERATOR ASSEMBLY FOR INSPECTION OF COMPONENTS. REPORT CONDITIONS FOUND TO THE NSA. REPAIR AS AUTHORIZED. REASSEMBLE OPERATOR ASSEMBLY USING NEW GASKETS, SEALS AND REPLACE MISSING OR UNSERVICEABLE FASTENERS, LUBRICATE AND ADJUST. CONNECT VALVE ACTUATORS TO CORRESPONDING VALVE AND SET VALVE TRAVEL LIMITS AND INDICATORS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



|                                                                      |  |                                            |  |                      |  |                                                                                                                                                                                                                                                       |  |                          |  |                |  |
|----------------------------------------------------------------------|--|--------------------------------------------|--|----------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> I-52011-005- -SEA VLVS - ASSESS - MRC T2BJ |  |                                            |  | <b>MJC:</b> EXECI120 |  | <b>Rev Date:</b> 10/27/2010                                                                                                                                                                                                                           |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N                        |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> X                                                                                                                                                                                                                                         |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                               |  | <b>Freq:</b> 0                             |  | <b>Equip/Task:</b> X |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                     |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                                            |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                       |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                       |  | <b>Problem Description:</b>                |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                          |  |                          |  |                |  |
| BASELINE                                                             |  | (I-52011-005)SEA VALVES REQUIRE ASSESSMENT |  |                      |  | ACCOMPLISH SEA VALVE ASSESSMENT PER MRC T2BJ. 1. INSPECT SEA WATER SYSTEM HULL DISCHARGE, SUCTION, SEA CHEST BLOWOUT AND VENT VALVES; VERIFYING INSTALLATION OF WASTER SLEEVE AT SEAWARD SIDE OF HULL VALVES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-52011-006- -BTFly SEA VLVS-RPR/REPL |  |                     |  | <b>MJC:</b> EXECQBJ8 |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> X             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> X |  | <b>Matl Cost:</b> 225     |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                      | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE       | (Q-52011-006)BUTTERFLY SEA VALVE REQUIRES REPAIR | REPAIR THE DESIGNATED BUTTERFLY SEA VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-46. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, REASSEMBLE VALVES USING NEW BUSHINGS, SEALS, VALVE LINER, SEAT ASSEMBLIES AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. HYDROSTATICALLY TEST VALVES AND PROVE SEAT TIGHTNESS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: 1. REPLACE VALVES 4 INCHES OR SMALLER. 2. USE SWT 520-01 FOR GUIDANCE. |

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| Task/Abbreviation: Q-52011-007- -GATE SEA VLVS - RPR/REPL |  |              |  | MJC: EXECQ122 |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs: D/D |  | Qty: X             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: X |  | Matl Cost: 225     |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-52011-007)GATE SEA VALVE REQUIRES REPAIR | REPAIR THE DESIGNATED GATE SEA VALVE IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-47. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, REASSEMBLE VALVES USING NEW GASKETS, PACKING AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. HYDROSTATICALLY TEST VALVES AND PROVE SEAT TIGHTNESS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: 1. REPLACE VALVES 6 INCHES AND SMALLER. 2. INCLUDE RODMETER SEA VALVE. 3. USE SWT 520-01 FOR GUIDANCE. |

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| Task/Abbreviation: Q-52011-008- -GLOBE SEA VLVS - RPR/REPL |  |              |  | MJC: EXECQBJ9 |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs: D/D |  | Qty: X             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: X |  | Matl Cost: 225     |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-52011-008)GLOBE SEA VALVE REQUIRES REPAIR | REPAIR THE DESIGNATED GLOBE SEA VALVE IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD 009-51. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, REASSEMBLE VALVES USING NEW GASKETS, PACKING AND REPLACE MISSING OR UNSERVICEABLE FASTENERS. HYDROSTATICALLY TEST VALVES AND PROVE SEAT TIGHTNESS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: 1. REPLACE VALVES 4 INCHES OR SMALLER. 2. USE SWT 520-01 FOR GUIDANCE. |

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**Task/Abbreviation:** Q-52011-015- -CRIT GATE SEA VLVS - RPR**MJC:** EXECM011**Rev Date:** 8/26/2005**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** X**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** X **Matl Cost:** 1,500 **ManDays:** 5 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(Q-52011-015)CRIT GATE SEA VLVS REQ RPR

**Recommended Solution:**

REMOVE DESIG CRITICAL GATE SEA VALVE TO SHOP. DISASSEMBLE, CLEAN AND INSPECT EACH PART FOR WEAR OR DEFECTS. MEASURE AND RECORD SIZES AND CLEARANCES. SUBMIT A REPORT OF CONDITIONS FOUND TO THE SHIP'S CSMP. POLISH AND STRAIGHTEN STEM. MACHINE, GRIND, OR LAP AND SPOT-IN GATE TO SEATS TO OBTAIN A 360-DEGREE CONTINUOUS CONTACT. REASSEMBLE VALVE USING NEW GASKETS, PACKING & FASTENERS. INSTALL VALVE USING NEW GASKETS, PACKING & FASTENERS. ADJUST AND ALIGN PIPING TO VALVE. OP TEST VALVE PRIOR TO FLOODING THE DOCK. VISUALLY INSPECT VALVE WHILE FLOODING THE DOCK. ALLOWABLE LEAKAGE AT STEMS AND NEW OR DISTURBED JOINTS: NONE. INSTALL NEW CRES I.D. PLATE. SUBMIT REPORT LISTING VALVE I.D., SIZE, TYPE & LOCATION. NOTE: 1. REPLACE VALVE IF VALVE SIZE IS LESS THAN OR EQUAL TO 6 INCHES IPS. 2. USE SWT TEMPLATE 520-01 FOR GUIDANCE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-52011-016- -CRIT GLOBE SEA VLVS-RPR**MJC:** EXECM012**Rev Date:** 8/26/2005**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** X**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** X **Matl Cost:** 1,500 **ManDays:** 5 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:** **Problem Description:**

BASELINE (Q-52011-016)NSTM REQUIREMENT DUE

**Recommended Solution:**

REMOVE DESIG CRITICAL GLOBE SEA VALVE TO SHOP. DISASSEMBLE, CLEAN AND INSPECT EACH PART FOR WEAR OR DEFECTS. MEASURE AND RECORD SIZES AND CLEARANCES. SUBMIT A REPORT OF CONDITIONS FOUND TO SHIP'S CSMP. POLISH AND STRAIGHTEN STEM. MACHINE, GRIND, OR LAP AND SPOT-IN DISC TO SEATS TO OBTAIN A 360-DEGREE CONTINUOUS CONTACT. REASSEMBLE VALVE USING NEW GASKETS, PACKING AND FASTENERS. INSTALL VALVE USING NEW GASKETS, PACKING AND FASTENERS. ADJUST AND ALIGN PIPING TO VALVE. OP TEST VALVE PRIOR TO FLOODING THE DOCK. VISUALLY INSPECT VALVE WHILE FLOODING THE DOCK. ALLOWABLE LEAKAGE AT STEMS AND NEW OR DISTURBED JOINTS: NONE. INSTALL NEW CRES I.D. PLATE. SUBMIT REPORT LISTING VALVE I.D., SIZE, TYPE AND LOCATION. NOTE:1. REPLACE VALVE IF VALVE SIZE IS LESS THAN OR EQUAL TO 4 INCHES IPS. 2. USE SMWG TEMPLATE #520-01 FOR GUIDANCE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-52011-028- -SEA VLV ACTR - REPL |              |               | MJC: EXECJ136  |                   | Rev Date: 6/9/2009 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 500 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                  |
| BASELINE | (Q-52011-028)VALVE ACTUATOR REQUIRES REPLACEMENT | REPLACE VALVE ACTUATOR PER CONDITION ASSESSMENT RECOMMENDATIONS. CONNECT VALVE ACTUATOR TO CORRESPONDING VALVE AND SET VALVE TRAVEL LIMITS AND INDICATORS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-52111-003- -FIREMAIN PP - UT**MJC:** EXECI182**Rev Date:** 2/26/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:** NO**Lvl of Maint:** 2**Freq:** 0**Equip/Task:** X**Matl Cost:** 450**ManDays:** 9**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-52111-003)THE FIREMAIN SYSTEM PIPING  
REQUIRES ULTRASONIC TESTINGULTRASONICALLY-TEST THE FIREMAIN SYSTEM PIPING AS  
FOLLOWS: A. CLEAN PIPING TO BARE METAL AT AREAS TO BE  
TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA,  
NINETY DEGREES (90 DEGS) APART IN THE FOLLOWING AREAS: 1.  
AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS  
ADJACENT TO HANGERS AND EXTERNAL CORROSION. 3. WHERE  
PIPE SIZE REDUCES C. PRESERVE DISTURBED PIPING AREAS D.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. NOTES: 1.  
ULTRASONIC TESTING NOT REQUIRED ON MONEL PIPING. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.



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|-----------------------------------------------------------------|--------------|---------------|---------------------|-----------------------|---------|
| Task/Abbreviation: Q-52111-004- -FIREMAIN BTFLY VLVS - RPR/REPL |              | MJC: EXECQ518 | Rev Date: 3/25/2010 |                       |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: X              | Removal Required: YES |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: X | Matl Cost: 225      | ManDays: 5            | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 2        |                     |                       |         |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-52111-004)FIREMAIN BUTTERFLY VALVE(S) REQUIRE REPAIR OR REPLACEMENT. | REMOVE THE DESIGNATED BUTTERFLY VALVE(S) OF THE FIREMAIN SYSTEM TO THE SHOP AFTER OPERATIONAL IN-PLACE TESTING WITH CORRESPONDING ACTUATORS. ACCOMPLISH REPAIRS IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-46. REPLACE VALVE(S) SMALLER THAN 4 INCHES. REINSTALL REMOVED VALVE(S) AND OPERATIONAL TEST. |

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| Task/Abbreviation: Q-52111-005- -FIREMAIN GATE VLVS - RPR/REPL |              | MJC: EXECQ519 | Rev Date: 3/25/2010 |                       |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: X              | Removal Required: YES |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: X | Matl Cost: 225      | ManDays: 5            | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 2        |                     |                       |         |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-52111-005)FIREMAIN GATE VALVE(S) REQUIRE REPAIR OR REPLACEMENT. | REMOVE THE DESIGNATED GATE VALVE(S) OF THE FIREMAIN SYSTEM TO THE SHOP AFTER OPERATIONAL IN-PLACE TESTING WITH CORRESPONDING ACTUATORS. ACCOMPLISH REPAIRS IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-47. REPLACE VALVE(S) SMALLER THAN 6 INCHES. REINSTALL REMOVED VALVE(S) AND OPERATIONAL TEST. |

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|-----------------------------------------------------------------|--------------|---------------|---------------------|-----------------------|---------|
| Task/Abbreviation: Q-52111-006- -FIREMAIN GLOBE VLVS - RPR/REPL |              | MJC: EXECQ520 | Rev Date: 3/25/2010 |                       |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: X              | Removal Required: YES |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: X | Matl Cost: 225      | ManDays: 5            | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 2        |                     |                       |         |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-52111-006)FIREMAIN GLOBE VALVE(S) REQUIRE REPAIR OR REPLACEMENT. | REMOVE THE DESIGNATED GLOBE VALVE(S) OF THE FIREMAIN SYSTEM TO THE SHOP AFTER OPERATIONAL IN-PLACE TESTING WITH CORRESPONDING ACTUATORS. ACCOMPLISH REPAIRS IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-51. REPLACE VALVE(S) SMALLER THAN 6 INCHES. REINSTALL REMOVED VALVE(S) AND OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-52111-007- -FIREMAIN ACTRS - INSP/RPR**MJC:** EXECQ521**Rev Date:** 4/19/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-52111-007)FIREMAIN VALVE ACTUATORS  
REQUIRE REPAIR.REMOVE FIRMAIN VALVE ACTUATOR(S) TO THE SHOP FOR  
REPAIRS. UPON COMPLETION OF REPAIRS, AS AUTHORIZED FROM  
THE FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, SEALS  
AND REPLACE UNSERVICEABLE FASTENERS. CONNECT VALVE  
ACTUATORS TO CORRESPONDING VALVES AND SET VALVE TRAVEL  
LIMITS AND INDICATORS. ACCOMPLISH A SATISFACTORY  
OPERATIONAL TEST: MECHANICAL A. DISASSEMBLE MECH  
OPERATOR ASSY FOR INSP. REPORT CONDITIONS FOUND TO  
SHIP'S CSMP. REPAIR AS AUTHORIZED. REASSEM OPERATOR  
ASSY, LUBRICATE & ADJUST. HYDRAULIC B. ACCOMP SHOP OP  
TEST OF VALVE OPERATOR ASSY. DISASSEMBLE OPERATOR FOR  
INSP OF COMPONENTS. REPORT CONDITIONS FOUND TO SHIP'S  
CSMP. REPAIR AS AUTHORIZED. REASSEM OPERATOR ASSY AND  
HYDRO AS REQUIRED. ELECTRICAL C. DISASSEMBLE, CLN, INSP &  
TEST ELECTRICAL & MECH COMPONENTS. REPORT CONDITIONS  
FOUND TO SHIP'S CSMP. REPAIR AS AUTHORIZED. REASSEM  
OPERATOR ASSY.

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**Task/Abbreviation:** I-52111-029- -FIRE MAIN - MRC P39L**MJC:** EXECI264**Rev Date:** 8/29/2007**RCM Analysis:** 2/7/2005**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-52111-029)THE FIRE MAIN REQUIRES ASSESSMENT.

ACCOMPLISH THE FIRE MAIN ASSESSMENT IN ACCORDANCE WITH MRC P39L AS FOLLOWS: 1. CLEAN, INSPECT, AND LUBRICATE MANUAL VALVE OPERATOR GEARCASE AND REMOTE OPERATING/INDICATING GEAR. 2. INSPECT AND LUBRICATE INTERMEDIATE GEAR(S). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|---------------------------------------------------------|---------|---------------|---------------|------------|----------------------|
| Task/Abbreviation: I-52121-001- -FIRE PMP UNIT - OP CHK |         |               | MJC: EXECI183 |            | Rev Date: 2/7/2011   |
| RCM Analysis:                                           |         | Scheduled: N  | Sit Reqs:     | Qty: 8     | Removal Required: NO |
| Lvl of Maint: 1                                         | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No:              |
| Referenced Authority:                                   |         | Repair Pool:  | MCC: 3        |            |                      |

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| Reason:  | Problem Description:                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-52121-001)THE FIREMAIN AND FLUSHING PUMP UNIT REQUIRES AN OPERATIONAL CHECK | OPERATIONALLY CHECK THE FIREMAIN AND FLUSHING SYSTEM PUMP UNIT IN ACCORDANCE WITH THE APPLICABLE TECHNICAL MANUAL. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|--------------------------------------------------------|--------------|---------------|------------------|-----------------------|---------------------|
| Task/Abbreviation: Q-52121-003- -FIRE PMP (CPLD) - RPR |              |               | MJC: EXECQ523    |                       | Rev Date: 11/6/2006 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 8           | Removal Required: YES |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,980 | ManDays: 44           | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3           |                       |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-52121-003)PUMP REQUIRES REPAIR | DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP TO THE SHOP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS. |

|                                                    |         |               |                  |              |                   |
|----------------------------------------------------|---------|---------------|------------------|--------------|-------------------|
| Task/Abbreviation: Q-52121-027- -FIRE PMP MOT-RWND |         | MJC: EXECJC39 |                  | Rev Date:    |                   |
| RCM Analysis:                                      |         | Scheduled: N  | Sit Reqs:        | Qty: 4       | Removal Required: |
| Lvl of Maint: 1                                    | Freq: 0 | Equip/Task: 1 | Matl Cost: 5,952 | ManDays: 124 | Alt No:           |
| Referenced Authority:                              |         | Repair Pool:  | MCC: 3           |              |                   |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                           |
| BASELINE | (Q-52121-027)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE FIREMAIN PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-52121-028- -FIRE PMP MOT-RPR |  |              |  | MJC: EXECJC40 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                     |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                   |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 5,952 |  | ManDays: 124      |  | Alt No: |  |
| Referenced Authority:                             |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                        |
| BASELINE | (Q-52121-028)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE FIREMAIN PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-52121-029- -FIRE PMP MOT BRG-REPL |              |               | MJC: EXECJC41    |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: |           |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,976 | ManDays: 62       | Alt No:   |
| Referenced Authority:                                  | Repair Pool: | MCC: 3        |                  |                   |           |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                             |
| BASELINE | (Q-52121-029)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE FIREMAIN PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|------------------------------------------------------------|--------------|---------------|---------------------|-------------------|---------|
| Task/Abbreviation: Q-52121-030- -FIRE PMP MECH SEAL - REPL |              | MJC: EXECJBL3 | Rev Date: 2/12/2008 |                   |         |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 8              | Removal Required: |         |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,980    | ManDays: 44       | Alt No: |
| Referenced Authority:                                      | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                               |
| BASELINE | (Q-52121-030)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE CENTRIFUGAL FIREMAIN PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-52121-031- -FIRE PMP WEAR RINGS - REPL |  |              |  | MJC: EXECJBL4 |  | Rev Date: 2/8/2008 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 0             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 0 |  | Matl Cost:         |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                    |  | MCC: 0            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-52121-031)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-52121-032- -FIRE PMP ROTATING ASSY - RPR |              | MJC: EXECJBL5 | Rev Date: 2/27/2009 |                   |         |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 8              | Removal Required: |         |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,980    | ManDays: 44       | Alt No: |
| Referenced Authority:                                         | Repair Pool: | MCC: 3        |                     |                   |         |

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|----------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-52121-032)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.<br>NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: I-52121-045- -FIRE PMPS VIB TST - MRC G1P1 |              |               | MJC: EXECIGG9 |                   | Rev Date: 5/28/2008 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-52121-045)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-52211-010- -MAG SPRS - RPR**MJC:** EXECQAM2**Rev Date:** 2/27/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** X**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-52211-010)MAGAZINE SPRINKLER REQUIRES REPAIR

REMOVE THE DESIGNATED VALVES (INCLUDING HYDRAULIC-OPERATORS) OF THE MAGAZINE SPRINKLER PIPING SYSTEM TO SHOP AFTER OPERATIONAL IN-PLACE TESTING WITH CORRESPONDING ACTUATORS. DISASSEMBLE VALVES FOR CLEANING AND INSPECTION OF ALL COMPONENTS, INCLUDING SEATING SURFACES. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE VALVES USING NEW GASKETS AND SEALS, POLISH AND STRAIGHTEN STEM. REPLACE UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY SHOP-TEST. INSTALL VALVES IN ORIGINAL LOCATION AND ORIENTATION ABOARD SHIP USING NEW GASKETS AND REPLACING UNSERVICEABLE FASTENERS. INSTALL ACTUATORS, IF FITTED, AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST: A. REPLACE BOOT. B. REPLACE VALVE. NOTE: 1. VALVES SMALLER THAN 4-INCHES TO BE REPLACED. NOTE: ACCOMPLISH REQUIREMENTS OF NAVSEA STANDARD ITEM 009-71.

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| Task/Abbreviation: Q-52211-013- -MAG SPR CRIT HOSE - REPL                |           |               | MJC: EXECM150    |            | Rev Date: 6/1/2009 |                   |
| RCM Analysis:                                                            |           | Scheduled: Y  | Sit Reqs:        |            | Qty:               | Removal Required: |
| Lvl of Maint: 2                                                          | Freq: 144 | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 4 | Alt No:            |                   |
| Referenced Authority:                                                    |           | Repair Pool:  |                  | MCC: 2     |                    |                   |
| NAVSEA S6430-AE-TED-010 NAVSEA CWP CRIT HOSE REPL PROG GC:700020,MA:2265 |           |               |                  |            |                    |                   |

| Reason:  | Problem Description:                                                                                                                                                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| BASELINE | (Q-52211-013) THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE MAGAZINE SPRINKLER CRITICAL FLEXIBLE HOSE ASSEMBLY REQUIRES REPLACEMENT AS REQUIRED BY THE NAVSEA CUMBERSOME WORK PRACTICES (CWP) CRITICAL HOSE REPLACEMENT PROGRAM. | REPLACE THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE MAGAZINE SPRINKLER CRITICAL FLEXIBLE HOSE ASSEMBLY IN ACCORDANCE WITH NAVSEA S6430-AE-TED-010 AS FOLLOWS: A. REMOVE EXISTING FLEXIBLE HOSE ASSEMBLY. B. FABRICATE REPLACEMENT FLEXIBLE HOSE ASSEMBLY UTILIZING TEMPLATE SIZE AND CONFIGURATION FROM EXISTING SHIPBOARD CONDITIONS. C. REUSE EXISTING FITTINGS IF SERVICEABLE OR PROVIDE NEW FITTINGS. D. ACCOMPLISH A HYDROSTATIC TEST OF THE REPLACEMENT SYNTHETIC RUBBER FLEXIBLE HOSE ASSEMBLY. E. INSTALL A NEW IDENTIFICATION TAG. F. INSTALL THE REPLACEMENT CRITICAL FLEXIBLE HOSE ASSEMBLY. G. ACCOMPLISH AN OPERATIONAL TEST AT SYSTEM OPERATING PRESSURE. NOTE: DO NOT LET SHIPS FORCE SIGN OFF WITHOUT THE CONCURRANCE OF THE PORT ENGINEER. |



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**Task/Abbreviation:** I-52411-008- -AUX SW SYS PP - UT**MJC:** EXECI271**Rev Date:** 2/25/2003**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 2**Freq:** 0**Equip/Task:** X**Matl Cost:** 450**ManDays:** 9**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-52411-008)THE AUXILIARY SEA WATER COOLING  
PIPING REQUIRES ULTRASONIC TESTINGULTRASONICALLY TEST THE AUXILIARY SEA WATER COOLING  
PIPING IN MAIN ENGINE ROOMS AS FOLLOWS: A. CLEAN PIPING TO  
BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4)  
READINGS AT EACH SELECTION AREA, NINETY DEGREES (90  
DEGREES) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS  
(PARTICULARLY THE OUTSIDE RADIUS) 2. AREAS ADJACENT TO  
HANGERS AND EXTERNAL CORROSION 3. WHERE PIPE SIZE  
REDUCES C. PRESERVE DISTURBED PIPING AREAS. D. REPORT  
CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. ULTRASONIC  
TESTING NOT REQUIRED ON MONEL PIPING. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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| Task/Abbreviation: I-52411-017- -AUX SW SYS PP - HYDRST TST |         |               | MJC: EXECI328 |             | Rev Date: 4/27/1999 |                      |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:     |             | Qty: 1              | Removal Required: NO |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 60 | Alt No:             |                      |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 2        |             |                     |                      |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-52411-017)THE AUX SW SYSTEM PIPING REQUIRES HYDROSTATIC TEST | HYDROSTATICALLY TEST THE AUX SW SYSTEM PIPING PRIOR TO AN INDUSTRIAL AVAILABILITY. CLOSE AND SET BOUNDARY VALVES. REMOVE AND/OR ISOLATE COMPONENTS SUBJECT TO DAMAGE BY THE TEST PRESSURE. AS REQUIRED, REMOVE ORIFICE PLATES AND INSTALL JUMPERS IN PLACE OF REMOVED OR ISOLATED COMPONENTS. ACCOMPLISH HYDROSTATIC TEST AT ONE HUNDRED AND THIRTY FIVE PERCENT (135%) OF SYSTEM DESIGN PRESSURE AND HOLD DURING TIME REQUIRED TO VISUALLY INSPECT SYSTEM. NO VISIBLE EXTERNAL LEAKAGE ALLOWED. INSPECT FOR DETERIORATION AND LEAKS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. DRAIN AND PURGE PIPING. REMOVE BLANK FLANGES AND JUMPERS AND REINSTALL ORIFICE PLATES, AS APPLICABLE. LAY-UP SYSTEM USING APPROVED METHOD OR RESTORE TO SERVICE. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> Q-52411-019- -AUX SW SYS PP - CLN |  |                     |  | <b>MJC:</b> EXECQAM4 |  | <b>Rev Date:</b> 4/27/1999 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                        |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> X              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                      |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> X |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                             | <b>Recommended Solution:</b>                                                          |
| BASELINE       | (Q-52411-019)AUXILIARY MACHINERY SEA WATER SYSTEM PIPING REQUIRES CLEANING AND FLUSHING | ACID CLEAN AND FLUSH THE SEA WATER SYSTEM PIPING IN ACCORDANCE WITH NSTM CHAPTER 505. |

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|----------------------------------------------------------------------|---------------------|----------------------|---------------------------|----------------------|------------------------------|
| <b>Task/Abbreviation:</b> D-52411-021- -SHIPALT LHA1-00983D - ACCOMP |                     |                      |                           | <b>MJC:</b> EXSAD205 | <b>Rev Date:</b> 5/3/2006    |
| <b>RCM Analysis:</b>                                                 | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     |                           | <b>Qty:</b> 1        | <b>Removal Required:</b>     |
| <b>Lvl of Maint:</b> 1                                               | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 300,000 | <b>ManDays:</b> 2154 | <b>Alt No:</b> SALHA 00983 D |
| <b>Referenced Authority:</b>                                         | <b>Repair Pool:</b> |                      | <b>MCC:</b> 3             |                      |                              |

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|----------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>           | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                         |
| BASELINE       | (D-52411-21) TYCOM AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-00983D " ML-SW SY STRAINERS" WHICH REDUCES THE MAINTENANCE REQUIREMENT AND DOWN TIME ASSOCIATED WITH THE CLEANING OF CONVENTIONAL DUPLEX STRAINERS BY REPLACING EXISTING SEA WATER COOLING SERVICE DUPLEX AND WYE TYPE STRAINERS WITH "HELLAN" TYPE SELF-CLEANING STRAINERS. |

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| Task/Abbreviation: Q-52921-008- -ROTARY VANE DR/BILGE PMP - RPR |              |               | MJC: EXECQ555    |                       | Rev Date: 11/7/2006 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: YES |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,475 | ManDays: 55           | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                       |                     |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-52921-008)PUMP REQUIRES REPAIR | REMOVE THE ROTARY/VANE PUMP. OPEN, CLN AND INSP PUMP CASING. INSPECT ALL COMPONENTS. RECORD ROTOR & HOUSING BORE DIA, CLEARANCES & RUNOUTS & REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. ACCOMPLISH NDT PUMP SHAFT, ROTOR ASSY, LINER/SLEEVE & DISCS. B. RESURFACE & MACHINE SHAFT JOURNALS IN WAY OF PACKING & BEARINGS. C. STONE/DRESS BEARING HOUSING FIT AREAS. D. RESURFACE & MACHINE PUMP CASING BORES USING AUTHORIZED COATING SYSTEM. E. STONE/DRESS CASING MATING AND SEALING SURFACE. F. REPLACE PUMP ROTOR SHAFT AND KEY. G. REPLACE PUMP ROTOR ASSY & ENSURE ROTOR TO CASING CLEARANCES. H. REPLACE PUSH RODS AND VANES. I. REPLACE LINER/SLEEVE ASSY. J. REPLACE PUMP CASING AND DISCS. K. REPLACE PUMP TO REDUCTION GEAR COUPLING. L. REPLACE MOTOR TO REDUCTION GEAR COUPLING. M. REPAIR PRESSURE CONTROL VALVE ASSY. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, PACKING, MECHANICAL SEALS, LOCKNUTS, LOCKWASHERS, O RINGS & KEYS. RECORD POST-REPAIR CLEARANCES & RUNOUTS. ALIGN DRIVER & PUMP TO REDUCTION GEAR UNIT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-52921-043- -HORIZ DR/BLG/BLST PMP-MRC G1F6 |              |               | MJC: EXECIFZ0 |                   | Rev Date: 7/13/2009 |
| RCM Analysis: 7/12/2004                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-52921-043)THE HORIZONTAL DRAIN/ BILGE/ BALLAST PUMP REQUIRES ASSESSMENT. | ACCOMPLISH THE HORIZONTAL DRAIN/ BILGE/ BALLAST PUMP ASSESSMENT IN ACCORDANCE WITH MRC G1F6 AS FOLLOWS: 1. MEASURE HORIZONTAL DRAIN/BILGE/BALLAST PUMP SHAFT ALIGNMENT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-52921-044- -BLST PMPS VIB TST - MRC G1P1 |              |               | MJC: EXECIGH1 |                   | Rev Date: 8/4/2008 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-52921-044)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-52961-001- -DEBLST AIR COMPR - INSP/TST |         |               | MJC: EXECI279 |            | Rev Date: 3/19/2008 |                      |
| RCM Analysis:                                                |         | Scheduled: N  | Sit Reqs:     |            | Qty: 10             | Removal Required: NO |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 5 | Alt No:             |                      |
| Referenced Authority:                                        |         | Repair Pool:  | MCC: 2        |            |                     |                      |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-52961-001)AIR DEBALLAST COMPRESSOR UNIT<br>REQUIRES INSPECTION | INSPECT AND TEST THE AIR DEBALLAST COMPRESSOR UNIT.<br>REPORT CONDITIONS FOUND TO SHIP'S CSMP. INCLUDE: A. ALARM<br>AND SAFETY DEVICES. B. OPERATIONAL TEST. C. VIBRATION<br>ANALYSIS SURVEY D. ELECTRICAL INSULATION RESISTANCE TEST.<br>E. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. PROVIDE<br>"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION<br>OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW<br>NAVSEAINST 4790.8B. |



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| Task/Abbreviation: Q-52961-002- -DEBLST AIR COMPR - RPR |              |               | MJC: EXECQ571    |                       | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 10          | Removal Required: YES |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,465 | ManDays: 77           | Alt No:   |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2           |                       |           |

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| Reason:  | Problem Description:                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-52961-002)COMPRESSOR REQUIRES REPAIR | REPAIR AIR DEBALLAST COMPRESSOR PER CONDITION ASSESSMENT RECOMMENDATIONS. DISCONNECT COUPLING AND DISASSEMBLE TO THE EXTENT NECESSARY TO ACCOMPLISH REPAIRS. OPEN COMPRESSOR COVERS, CLEAN AND INSPECT ALL COMPONENTS. RECORD AS FOUND ROTOR AND CYLINDER BORE DIAMETERS, CLEARANCES AND RUNOUTS. REPORT CONDITIONS FOUND TO THE NSA. A. ACCOMPLISH NDT ROTOR/SHAFT ASSEMBLY, HELICAL GEAR AND COUPLING HUBS B. RESURFACE AND MACHINE ROTOR SHAFT BEARING JOURNALS C. STONE/DRESS BEARING HOUSING FIT AREAS. D. STONE/DRESS COMPRESSOR SPIRAL ROTORS AND SHAFT HELICAL GEARS E. RESURFACE AND MACHINE COMPRESSOR CYLINDER BORES. F. STONE/DRESS CYLINDER MATING AND SEALING SURFACES. G. REPLACE COMPRESSOR SPIRAL ROTOR AND SHAFT ASSEMBLIE(S). H. REPLACE COMPRESSOR HELICAL GEARS. I. REPLACE COMPRESSOR HEAD PLATE(S). J. REPLACE COMPRESSOR CYLINDER LOCATING AND DISCHARGE BLIND PLATES K. REPLACE COUPLING. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, SEALS, LOCKNUTS, LOCKWASHERS, O RINGS AND KEYS. RECORD POST REPAIR RUNNING CLEARANCES AND RUNOUTS. ALIGN DRIVER TO COMPRESSOR. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-52961-006- -DEBLST AIR COMPR MOT-RWND |  |                     |  | <b>MJC:</b> EXECJC87 |  | <b>Rev Date:</b>        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 10          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 3,648 |  | <b>ManDays:</b> 76       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                         |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                    | <b>Recommended Solution:</b>                                                                                                                                              |
| BASELINE       | (Q-52961-006)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE AIR DEBALLAST COMPRESSOR ELECTRIC MOTOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-52961-007- -DEBLST AIR COMPR MOT-RPR |  |              |  | MJC: EXECJC88 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 10          |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 3,648 |  | ManDays: 76       |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                  |
| BASELINE | (Q-52961-007)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE AIR DEBALLAST COMPRESSOR ELECTRIC MOTOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-52961-008- -DEBLST AIR COMPR MOT BRG-REPL |              |               | MJC: EXECJC89    |                   | Rev Date: |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 10          | Removal Required: |           |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,824 | ManDays: 38       | Alt No:   |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                       |
| BASELINE | (Q-52961-008)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE AIR DEBALLAST COMPRESSOR ELECTRIC MOTOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-52961-009- -DEBLST AIR COMPR (SEALS)-REPL |              |               | MJC: EXECJAH5    |                   | Rev Date: 5/25/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 10          | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,465 | ManDays: 77       | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-52961-009)SEAL REQUIRES REPLACEMENT | REPAIR AIR DEBALLAST COMPRESSOR PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE TO THE EXTENT NECESSARY TO ACCOMPLISH REPAIRS. REMOVE GASKETS, BEARINGS AND SEALS. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, SEALS, LOCKNUTS, LOCKWASHERS, O RINGS AND KEYS. RECORD POST REPAIR RUNNING CLEARANCES AND RUNOUTS. ALIGN DRIVER TO COMPRESSOR. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-52961-010- -DEBLST AIR COMPR (COVERS)-REPL |              |               | MJC: EXECJAH6    |                   | Rev Date: 5/25/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 10          | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,465 | ManDays: 77       | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-52961-010)COMPRESSOR COVER REQUIRES REPLACEMENT | REPAIR AIR DEBALLAST COMPRESSOR PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE TO THE EXTENT NECESSARY TO ACCOMPLISH REPAIRS. REMOVE COVERS AND REPLACE WITH NEW. REASSEMBLE UNIT USING NEW GASKETS AND FASTENERS. CHECK FOR LEAKS AND ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-52961-025- -BLST CPRSR VIB TST - MRC G1P1 |  |              |  | MJC: EXECIGH2 |  | Rev Date: 8/4/2008 |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1             |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                                |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                          |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-52961-025)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-53111-002- -DSTLNG PLT - RPR |              |               | MJC: EXECQ573    |                      | Rev Date: |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: NO |           |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,275 | ManDays: 95          | Alt No:   |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 3           |                      |           |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-53111-002)THE FLASH-TYPE DISTILLING UNIT REQUIRES REPAIR. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. ACCOMPLISH AUTHORIZED WELD REPAIRS TO EVAPORATOR SHELL AND TUBE SHEETS. B. RETUBE DESIGNATED INTERNAL STAGE HEAT EXCHANGERS. C. PLUG DESIGNATED HEAT EXCHANGER TUBES. D. REPACK HEAT EXCHANGER TUBE ENDS. E. REPLACE DEMISTERS. F. REPAIR/REPLACE BAFFLES. G. CHEMICALLY CLEAN INTERNALS H. MECHANICALLY CLEAN INTERNALS. I. REPLACE RUPTURED DISCS. J. REPLACE VIEW PORT GLASSES. K. REPLACE AIR EJECTOR NOZZLES. L. REPLACE SPRAY CAPS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |



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| Task/Abbreviation: Q-53111-003- -DSTLNG PLT HEAT EXCHANGER- RPR |              |               | MJC: EXECQ574  |                       | Rev Date: 3/3/2006 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: YES |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15           | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                       |                    |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-53111-003)HEAT EXCHANGER REQUIRES REPAIR. | DISASSEMBLE THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT . CLEAN AND HYDROSTATICALLY-TEST SHELL AND TUBE SIDES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, FASTENERS, ZINCS AND O- RINGS (AS APPLICABLE). REINSTALL HEAT EXCHANGER. PROVE SATISFACTORY OPERATION. A. RE-ROLL DESIGNATED TUBES. B. REPLACE DESIGNATED TUBES. C. REPLACE TUBE SHEETS. D. PLUG DESIGNATED TUBES. E. INSTALL TUBE INSERTS. F. REPAIR TUBE SHEETS. G. REPAIR HEADS. H. ACCOMPLISH STRUCTURAL REPAIRS TO SHELL AND/OR WATERBOXES. I. RECOAT WATERBOXES (DOES NOT APPLY TO CG47 CLASS). J. REMOVE HEAT EXCHANGER TO SHOP FOR REPAIRS. K. REPAIR TUBE SUPPORT PLATES. L. REPLACE SPRAY CAPS. |

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**Task/Abbreviation:** Q-53111-016- -BRINE PMP - RPR**MJC:** EXECQ544**Rev Date:** 6/3/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-53111-016)THE BRINE PUMP (CENTRIFUGAL) OF THE FLASH-TYPE DISTILLING PLANT REQUIRES REPAIR.

DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS.

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**Task/Abbreviation:** Q-53111-017- -SW HTR CNDS PMP - RPR**MJC:** EXECQ541**Rev Date:** 6/3/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,280**ManDays:** 28**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-53111-017)THE SALT WATER HEATER  
CONDENSATE PUMP (CENTRIFUGAL) OF THE  
FLASH-TYPE DISTILLING PLANT REQUIRES REPAIR.

DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP. OPEN  
PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD  
CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP  
SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B.  
RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP  
SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP  
SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR  
COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS  
AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE  
WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY.  
K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING  
HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M.  
MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL  
ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION  
TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW  
GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD  
POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO  
PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL  
TESTS.

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| Task/Abbreviation: Q-53111-018- -DSTLT PMP - RPR |              |               | MJC: EXECQAI6  |                   | Rev Date: 6/3/2005 |
| RCM Analysis:                                    | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                  | Freq: 0      | Equip/Task: 1 | Matl Cost: 990 | ManDays: 22       | Alt No:            |
| Referenced Authority:                            |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-53111-018)THE DISTILLATE PUMP (CENTRIFUGAL) OF THE FLASH-TYPE DISTILLING PLANT REQUIRES REPAIR. | DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS. |

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**Task/Abbreviation:** Q-53111-019- -SW FD PMP - RPR**MJC:** EXECQAI8**Rev Date:** 6/3/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,170**ManDays:** 26**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-53111-019)THE SW FEED PUMP (CENTRIFUGAL) OF THE FLASH-TYPE DISTILLING PLANT REQUIRES REPAIR.

DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS.

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| Task/Abbreviation: Q-53111-025- -DP HT EXCHR - PLUG TUBES |              |               | MJC: EXECJ402  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-53111-025)DESIGNATED TUBES OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPAIRS. | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR ACCOMPLISHMENT OF TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-026- -DP HT EXCHR - REPLACE BUNDLE |         |               | MJC: EXECJ404  |             | Rev Date: 3/3/2006 |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 2      | Removal Required:  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15 | Alt No:            |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3         |             |                    |

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| Reason:  | Problem Description:                                                                                    | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-53111-026)TUBE BUNDLE OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPLACEMENT. | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-027- -DP HT EXCHR - REPL TUBE |              |               | MJC: EXECJ406  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53111-027)DESIGNATED TUBES OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPLACEMENT. | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-53111-028- -DP HT EXCHR - REPL ZINCS |              |               | MJC: EXECJ408  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                             | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (Q-53111-028)ZINCS FOR THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPLACING. | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-029- -DP HT EXCHR - REROLL TUBES |              |               | MJC: EXECJ410  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-53111-029)TUBES OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REROLLING. | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-030- -DP HT EXCHR - RPR TUBE SHEETS |              | MJC: EXECJ412 | Rev Date: 3/3/2006 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2             | Removal Required: |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 675     | ManDays: 15       | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 3        |                    |                   |         |

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| Reason:  | Problem Description:                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-53111-030)TUBE SHEETS OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPAIR. | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-031- -DP HT EXCHR - RPR TUBE SPRT PL |              |               | MJC: EXECJ414  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                           | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-53111-031)THE TUBE SUPPORT PLATES OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPAIR. | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-032- -SW HTR CNDS PMP MOT- RWND |  |              |  | MJC: EXECJ960 |  | Rev Date: 6/3/2005 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 216     |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                     | Recommended Solution:                                                                                                                                                                                           |
| BASELINE | (Q-53111-032)THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-033- -SW HTR CNDS PMP MOT-RPR |  |              |  | MJC: EXECJ962 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 156 |  | ManDays: 7        |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                          | Recommended Solution:                                                                                                                                                                                                                                                        |
| BASELINE | (Q-53111-033)THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53111-034- -SW HTR CNDS PMP MOT BRG-REPL |         |               | MJC: EXECJ964 |            | Rev Date:         |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:     | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 60 | ManDays: 1 | Alt No:           |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3        |            |                   |

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| Reason:  | Problem Description:                                                                                                            | Recommended Solution:                                                                                                                                                                             |
| BASELINE | (Q-53111-034)BEARINGS OF THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP ELECTRIC MOTOR, REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-035- -SW FD PMP MOT-RWND |         |               |                  | MJC: EXECJ966 |         | Rev Date:         |  |
| RCM Analysis:                                       |         | Scheduled: N  | Sit Reqs:        |               | Qty: 2  | Removal Required: |  |
| Lvl of Maint: 1                                     | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,308 | ManDays: 28   | Alt No: |                   |  |
| Referenced Authority:                               |         | Repair Pool:  |                  | MCC: 3        |         |                   |  |

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| Reason:  | Problem Description:                                                                                        | Recommended Solution:                                                                                                                                                                              |
| BASELINE | (Q-53111-035)THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-53111-036- -SW FD PMP MOT-RPR |  |              |  | MJC: EXECJ968 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 360 |  | ManDays: 17       |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                             | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (Q-53111-036)THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53111-037- -SW FD PMP MOT BRG-REPL |  |              |  | MJC: EXECJ970 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 180 |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                              | Recommended Solution:                                                                                                                                                                |
| BASELINE | (Q-53111-037)BEARINGS OF THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP ELECTRIC MOTOR REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-53111-038- -DSTLT PMP MOT-RWND |  |                     |  | <b>MJC:</b> EXECJC63 |  | <b>Rev Date:</b>      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                       |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2         |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                     |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 456 |  | <b>ManDays:</b> 16       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                               |  |                     |  | <b>Repair Pool:</b>  |  |                       |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                            | <b>Recommended Solution:</b>                                                                                                                                                                  |
| BASELINE       | (Q-53111-038)THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-039- -DSTLT PMP MOT-RPR |              |               | MJC: EXECJC67  |                   | Rev Date: |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 180 | ManDays: 8        | Alt No:   |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                                        | Recommended Solution:                                                                                                                                                                                                                                      |
| BASELINE | (Q-53111-039)THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53111-040- -DSTLT PMP MOT BRG-REPL |              |               | MJC: EXECJC71 |                   | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 90 | ManDays: 2        | Alt No:   |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3        |                   |           |

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| Reason:  | Problem Description:                                                                                        | Recommended Solution:                                                                                                                                                           |
| BASELINE | (Q-53111-040)BEARINGS OF THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP ELECTIC MOTOR REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-041- -BRINE PMP MOT-RWND |  |              |  | MJC: EXECJD26 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,200 |  | ManDays: 26       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                              | Recommended Solution:                                                                                                                                                                    |
| BASELINE | (Q-53111-041)THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT BRINE PUMP REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT BRINE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53111-042- -BRINE PMP MOT-RPR |              |               | MJC: EXECJD28  |                   | Rev Date: |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 300 | ManDays: 14       | Alt No:   |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                                   | Recommended Solution:                                                                                                                                                                                                                                 |
| BASELINE | (Q-53111-042)THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT BRINE PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT BRINE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53111-043- -BRINE PMP MOT BRG-REPL |         |               | MJC: EXECJD30  |            | Rev Date:         |
| RCM Analysis:                                           |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                         | Freq: 0 | Equip/Task: 1 | Matl Cost: 150 | ManDays: 3 | Alt No:           |
| Referenced Authority:                                   |         | Repair Pool:  | MCC: 3         |            |                   |

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| Reason:  | Problem Description:                                                                                    | Recommended Solution:                                                                                                                                                      |
| BASELINE | (Q-53111-043)BEARINGS OF THE FLASH-TYPE DISTILLING PLANT BRINE PUMP ELECTRIC MOTOR REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT BRINE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-53111-044- -DSTLNG PLT (CHEM) - CLN |              |               | MJC: EXECJAA4    |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,125 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-53111-044)THE FLASH-TYPE DISTILLING UNIT REQUIRES CHEMICAL CLEANING. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. CHEMICALLY CLEAN INTERNALS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-045- -DSTLNG PLT (MECH) - CLN |  |              |  | MJC: EXECJAA5 |  | Rev Date: 5/24/2005 |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 7,125    |  | ManDays: 95       |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-53111-045)THE FLASH-TYPE DISTILLING UNIT REQUIRES MECHANICAL CLEANING. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. MECHANICALLY CLEAN INTERNALS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-046- -DSTLNG PLT (WELD) - RPR |              |               | MJC: EXECJAA6    |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,125 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-53111-046)THE FLASH-TYPE DISTILLING UNIT REQUIRES WELDING REPAIRS. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. ACCOMPLISH AUTHORIZED WELD REPAIRS TO EVAPORATOR SHELL AND TUBE SHEETS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-047- -DSTLNG PLT (HE TB) - RPR |              |               | MJC: EXECJAA7    |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,125 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-53111-047)THE FLASH-TYPE DISTILLING UNIT HEAT EXCHANGER REQUIRES RETUBING. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RETUBE DESIGNATED INTERNAL STAGE HEAT EXCHANGERS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-048- -DSTLNG PLT (PLUG HE TB) - RPR |              |               | MJC: EXECJAA8    |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,125 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-53111-048)THE FLASH-TYPE DISTILLING UNIT HEAT EXCHANGER REQUIRES REPLUGGING. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. PLUG DESIGNATED HEAT EXCHANGER TUBES. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-049- -DSTLNG PLT (PACK HE) - RPR |              |               | MJC: EXECJAA9    |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,125 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                       | Repair Pool: | MCC: 3        |                  |                   |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-53111-049)THE FLASH-TYPE DISTILLING UNIT HEAT EXCHANGER ENDS REQUIRE REPACKING. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPACK HEAT EXCHANGER TUBE ENDS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-050- -DSTLNG PLT (DEMISTERS) - REPL |              |               | MJC: EXECJAB0    |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,125 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-53111-050)THE FLASH-TYPE DISTILLING UNIT DEMISTERS REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE DEMISTERS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-051- -DSTLNG PLT (BAFFLES) - RPR |              |               | MJC: EXECJAB1    |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,125 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-53111-051)THE FLASH-TYPE DISTILLING UNIT<br>BAFFLES REQUIRE REPAIR. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT<br>RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD<br>AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE<br>FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO<br>ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON<br>COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND<br>SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A<br>SATISFACTORY OPERATIONAL TEST. A. REPAIR BAFFLES. NOTE: 1.<br>M/D ESTIMATES BY UNIT SIZE PER APL. |



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| Task/Abbreviation: Q-53111-052- -DSTLNG PLT (BAFFLES) - REPL |  |              |  | MJC: EXECJAB2 |  | Rev Date: 5/24/2005 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 7,125    |  | ManDays: 95       |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53111-052)THE FLASH-TYPE DISTILLING UNIT<br>BAFFLES REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT<br>RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD<br>AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE<br>FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO<br>ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON<br>COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND<br>SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A<br>SATISFACTORY OPERATIONAL TEST. A. REPLACE BAFFLES. NOTE: 1.<br>M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-053- -DSTLNG PLT (DISCS) - REPL |              |               | MJC: EXECJAB3    |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,125 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-53111-053)THE FLASH-TYPE DISTILLING UNIT RUPTURED DISCS REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE RUPTURED DISCS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-054- -DSTLNG PLT (VIEW GLASS) - REPL |              |               | MJC: EXECJAB4    |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,125 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-53111-054)THE FLASH-TYPE DISTILLING UNIT VIEW PORT GLASSES REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE VIEW PORT GLASSES. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-055- -DSTLNG PLT (AIR NOZZLES)-REPL |  |              |  | MJC: EXECJAB5 |  | Rev Date: 5/24/2005 |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 7,125    |  | ManDays: 95       |  | Alt No: |  |
| Referenced Authority:                                          |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-53111-055)THE FLASH-TYPE DISTILLING UNIT AIR EJECTOR NOZZLES REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE AIR EJECTOR NOZZLES. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53111-056- -DSTLNG PLT (SPRAY CAPS) - REPL |              |               | MJC: EXECJAB6    |                   | Rev Date: 5/24/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 7,125 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-53111-056)THE FLASH-TYPE DISTILLING UNIT SPRAY CAPS REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE SPRAY CAPS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| <b>Task/Abbreviation:</b> Q-53111-069- -BRINE PMP MECH SEAL - REPL |  |                                                                               |  | <b>MJC:</b> EXECJDM4 |  | <b>Rev Date:</b> 6/1/2005                                                                                                                                                                            |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                                                           |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0                                                                |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675                                                                                                                                                                                |  | <b>ManDays:</b> 28       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                                                               |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                      |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                                                   |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                         |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-53111-069)THE CENTRIFUGAL BRINE PUMP MECHANICAL SEAL REQUIRES REPLACEMENT. |  |                      |  | REPLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-53111-070- -BRINE PMP WEAR RINGS-REPL |              |               | MJC: EXECJDM5    |                   | Rev Date: 6/1/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 25       | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53111-070)THE CENTRIFUGAL BRINE PUMP WEARING RINGS REQUIRE REPLACEMENT. | REMOVE THE PUMP SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53111-071- -BRINE PMP RT ASSY - RPR |              |               | MJC: EXECJDM6    |                   | Rev Date: 6/1/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 25       | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-53111-071)THE CENTRIFUGAL BRINE PUMP ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |



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| <b>Task/Abbreviation:</b> Q-53111-072- -SW HTR CNDS PMP MECH SEAL-REPL |                                                                                                      |                                                                                                                                                                                                      | <b>MJC:</b> EXECJDM7    |                    | <b>Rev Date:</b> 6/1/2005 |
| <b>RCM Analysis:</b>                                                   |                                                                                                      | <b>Scheduled:</b> N                                                                                                                                                                                  | <b>Sit Reqs:</b>        | <b>Qty:</b> 2      | <b>Removal Required:</b>  |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0                                                                                       | <b>Equip/Task:</b> 1                                                                                                                                                                                 | <b>Matl Cost:</b> 1,280 | <b>ManDays:</b> 28 | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                           |                                                                                                      | <b>Repair Pool:</b>                                                                                                                                                                                  | <b>MCC:</b> 3           |                    |                           |
| <b>Reason:</b>                                                         | <b>Problem Description:</b>                                                                          | <b>Recommended Solution:</b>                                                                                                                                                                         |                         |                    |                           |
| BASELINE                                                               | (Q-53111-072)THE CENTRIFUGAL SALT WATER HEATER CONDENSATE PUMP MECHANICAL SEAL REQUIRES REPLACEMENT. | REPLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |                         |                    |                           |

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| Task/Abbreviation: Q-53111-073- -SW HTR CNDS PMP RINGS-REPL |              |               | MJC: EXECJDM8    |                   | Rev Date: 6/1/2005 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,280 | ManDays: 28       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53111-073)THE CENTRIFUGAL SALT WATER HEATER CONDENSATE PUMP (COUPLED) WEARING RINGS REQUIRE REPLACEMENT. | REMOVE THE PUMP SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53111-074- -SW HTR CNDS PMP RT ASSY - RP |              |               | MJC: EXECJDM9    |                   | Rev Date: 6/1/2005 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,280 | ManDays: 28       | Alt No:            |
| Referenced Authority:                                         | Repair Pool: | MCC: 3        |                  |                   |                    |

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| Reason: | Problem Description:                                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASLINE | (Q-53111-074)THE CENTRIFUGAL SALT WATER HEATER CONDENSATE PUMP (COUPLED) ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-53111-075- -DSTLT PMP MECH SEAL - REPL |  |                                                                                    |  | <b>MJC:</b> EXECJDNO |  | <b>Rev Date:</b> 6/1/2005                                                                                                                                                                            |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                                                                |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0                                                                     |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675                                                                                                                                                                                |  | <b>ManDays:</b> 25       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                                                                    |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                      |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                                                        |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                         |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-53111-075)THE CENTRIFUGAL DISTILLATE PUMP MECHANICAL SEAL REQUIRES REPLACEMENT. |  |                      |  | REPLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-53111-076- -DSTLT PMP WEAR RINGS-REPL |              |               | MJC: EXECJDN1  |                   | Rev Date: 6/1/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: TBD       | Removal Required: |                    |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 25       | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53111-076)THE CENTRIFUGAL DISTILLATE PUMP (COUPLED) WEARING RINGS REQUIRE REPLACEMENT. | REMOVE THE PUMP SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53111-077- -DSTLT PMP RT ASSY - RPR |              |               | MJC: EXECJDN2  |                   | Rev Date: 6/1/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: TBD       | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 990 | ManDays: 22       | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason: | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASLINE | (Q-53111-077)THE CENTRIFUGAL DISTILLATE PUMP (COUPLED) ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-53111-078- -SW FD PMP MECH SEAL - REPL |  |                                                                                 |  | <b>MJC:</b> EXECJDN3 |  | <b>Rev Date:</b> 6/2/2005                                                                                                                                                                            |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                                                             |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                        |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0                                                                  |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,170                                                                                                                                                                              |  | <b>ManDays:</b> 26       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                                                                 |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                      |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                                                     |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                         |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-53111-078)THE CENTRIFUGAL SW FEED PUMP MECHANICAL SEAL REQUIRES REPLACEMENT. |  |                      |  | REPLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-53111-079- -SW FD PMP WEAR RINGS-REPL |              |               | MJC: EXECJDN4    |                   | Rev Date: 6/2/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,170 | ManDays: 26       | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53111-079)THE CENTRIFUGAL SW FEED PUMP (COUPLED) WEARING RINGS REQUIRE REPLACEMENT. | REMOVE THE PUMP SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |



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| Task/Abbreviation: Q-53111-080- -SW FD PMP RT ASSY - RPR |              |               | MJC: EXECJDN5    |                   | Rev Date: |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |           |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,170 | ManDays: 26       | Alt No:   |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-53111-080)THE CENTRIFUGAL SW FEED PUMP (COUPLED) ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: I-53111-099- -DISTILLATION UNIT - MRC G1C4 |  |              | MJC: EXECI993 |               | Rev Date: 8/10/2005 |            |                   |            |         |  |
| RCM Analysis: 6/7/2004                                        |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 2     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 3 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-53111-099)THE DISTILLING PLANT, FLASH TYPE 5311 REQUIRES ASSESSMENT. | ACCOMPLISH THE DISTILLING PLANT, FLASH TYPE 5311 ASSESSMENT IN ACCORDANCE WITH MRC G1C4 AS FOLLOWS: 1. CONDUCT OPERATIONAL TEST OF THE DISTILLING PLANT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-53111-104- -DSTL PMPS VIB TST - MRC G1P1 |              |               | MJC: EXECIGH3 |                   | Rev Date: 2/29/2008 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-53111-104)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-53112-002- -DSTLNG PLT - RPR |              |               | MJC: EXECQ586    |                      | Rev Date: |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: NO |           |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,275 | ManDays: 95          | Alt No:   |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 2           |                      |           |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-53112-002)THE FLASH-TYPE DISTILLING UNIT REQUIRES REPAIR. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. ACCOMPLISH AUTHORIZED WELD REPAIRS TO EVAPORATOR SHELL AND TUBE SHEETS. B. RETUBE DESIGNATED INTERNAL STAGE HEAT EXCHANGERS. C. PLUG DESIGNATED HEAT EXCHANGER TUBES. D. REPACK HEAT EXCHANGER TUBE ENDS. E. REPLACE DEMISTERS. F. REPAIR/REPLACE BAFFLES. G. CHEMICALLY CLEAN INTERNALS H. MECHANICALLY CLEAN INTERNALS. I. REPLACE RUPTURED DISCS. J. REPLACE VIEW PORT GLASSES. K. REPLACE AIR EJECTOR NOZZLES. L. REPLACE SPRAY CAPS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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**Task/Abbreviation:** Q-53112-003- -DSTLNG PLT HEAT EXCHANGER- RPR**MJC:** EXECQ587**Rev Date:** 3/3/2006**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-53112-003)HEAT EXCHANGER REQUIRES REPAIR

DISASSEMBLE THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT . CLEAN AND HYDROSTATICALLY-TEST SHELL AND TUBE SIDES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, FASTENERS, ZINCS AND O- RINGS (AS APPLICABLE). REINSTALL HEAT EXCHANGER. PROVE SATISFACTORY OPERATION. A. RE-ROLL DESIGNATED TUBES. B. REPLACE DESIGNATED TUBES. C. REPAIR DESIGNATED TUBES. D. PLUG DESIGNATED TUBES. E. INSTALL TUBE INSERTS. F. REPAIR TUBE SHEETS. G. REPAIR HEADS. H. ACCOMPLISH STRUCTURAL REPAIRS TO SHELL AND/OR WATERBOXES. I. RECOAT WATERBOXES (DOES NOT APPLY TO CG47 CLASS). J. REMOVE HEAT EXCHANGER TO SHOP FOR REPAIRS.

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| Task/Abbreviation: Q-53112-016- -BRINE PMP - RPR |              |               | MJC: EXECQ540    |                       | Rev Date: 5/31/2005 |
| RCM Analysis:                                    | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: YES |                     |
| Lvl of Maint: 1                                  | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 25           | Alt No:             |
| Referenced Authority:                            |              | Repair Pool:  | MCC: 3           |                       |                     |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-53112-016)THE BRINE PUMP (CENTRIFUGAL) OF THE FLASH-TYPE DISTILLING PLANT REQUIRES REPAIR. | DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS. |

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**Task/Abbreviation:** Q-53112-017- -SW HTR CNDS PMP - RPR**MJC:** EXECQ542**Rev Date:** 5/31/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,280**ManDays:** 28**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-53112-017)THE SALT WATER HEATER  
CONDENSATE PUMP (CENTRIFUGAL) OF THE  
FLASH-TYPE DISTILLING PLANT REQUIRES REPAIR.

DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP. OPEN  
PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD  
CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP  
SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B.  
RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP  
SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP  
SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR  
COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS  
AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE  
WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY.  
K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING  
HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M.  
MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL  
ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION  
TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW  
GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD  
POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO  
PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL  
TESTS.

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**Task/Abbreviation:** Q-53112-018- -DSTLT PMP - RPR**MJC:** EXECQAI7**Rev Date:** 5/31/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 990**ManDays:** 22**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-53112-018)THE DISTILLATE PUMP  
(CENTRIFUGAL) OF THE FLASH-TYPE DISTILLING  
PLANT REQUIRES REPAIR.

DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP. OPEN  
PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD  
CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP  
SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B.  
RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP  
SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP  
SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR  
COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS  
AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE  
WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY.  
K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING  
HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M.  
MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL  
ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION  
TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW  
GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD  
POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO  
PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL  
TESTS.



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**Task/Abbreviation:** Q-53112-019- -SW FD PMP - RPR**MJC:** EXECQAI9**Rev Date:** 5/31/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,170**ManDays:** 26**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-53112-019)THE SW FEED PUMP (CENTRIFUGAL) OF THE FLASH-TYPE DISTILLING PLANT REQUIRES REPAIR.

DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS.

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| Task/Abbreviation: Q-53112-020- -DP HT EXCHR - PLUG TUBES |              |               | MJC: EXECJ403  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-53112-020)DESIGNATED TUBES OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE PLUGGING. | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-021- -DP HT EXCHR - REPL BUNDLE |              |               | MJC: EXECJ405  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                        | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-53112-021)THE TUBE BUNDLE OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPLACEMENT. | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-022- -DP HT EXCHR - REPL TUBES |              |               | MJC: EXECJ407  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53112-022)DESIGNATED TUBES OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPLACEMENT. | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-023- -DP HT EXCHR - REPL ZINCS |              |               | MJC: EXECJ409  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                               | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (Q-53112-023)ZINCS FOR THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPLACEMENT. | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-024- -DP HT EXCHR - REROLL TUBES |              |               | MJC: EXECJ411  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-53112-024)TUBES OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REROLLING. | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-53112-025- -DP HT EXCHR - RPR TUBE SHEETS |  |                     |  | <b>MJC:</b> EXECJ413 |  | <b>Rev Date:</b> 3/3/2006 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675     |  | <b>ManDays:</b> 15       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                        | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                               |
| BASELINE       | (Q-53112-025)TUBE SHEETS OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPAIR. | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-026- -DP HT EXCHR - RPR TUBE SPRT PL |              |               | MJC: EXECJ415  |                   | Rev Date: 3/3/2006 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                           | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-53112-026)THE TUBE SUPPORT PLATES OF THE HEAT EXCHANGERS OF THE FLASH-TYPE DISTILLING PLANT REQUIRE REPAIR. | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-53112-027- -SW HTR CNDS PMP MOT-RWND |  |              |  | MJC: EXECJ961 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 216 |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                              | Recommended Solution:                                                                                                                                                                                           |
| BASELINE | (Q-53112-027)THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP ELECTRIC MOTOR REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-028- -SW HTR CNDS PMP MOT-RPR |              |               | MJC: EXECJ963  |                   | Rev Date: |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 180 | ManDays: 8        | Alt No:   |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                        |
| BASELINE | (Q-53112-028)THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP ELECTRIC MOTOR REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53112-029- -SW HTR CNDS PMP MOT BRG-REPL |  |              |  | MJC: EXECJ965 |  | Rev Date:     |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2        |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 90 |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |               |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                        | Recommended Solution:                                                                                                                                                                             |
| BASELINE | (Q-53112-029)THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER HEATER CONDENSATE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-030- -SW FD PMP MOT-RWND |  |              |  | MJC: EXECJ967 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 324 |  | ManDays: 12       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                                              |
| BASELINE | (Q-53112-030)THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP ELECTRIC MOTOR REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-031- -SW FD PMP MOT-RPR |              |               | MJC: EXECJ969  |                   | Rev Date: |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 180 | ManDays: 8        | Alt No:   |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                                      | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (Q-53112-031)THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP ELECTRIC MOTOR REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53112-032- -SW FD PMP MOT BRG-REPL |              |               | MJC: EXECJ971 |                   | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 90 | ManDays: 2        | Alt No:   |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3        |                   |           |

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| Reason:  | Problem Description:                                                                                           | Recommended Solution:                                                                                                                                                                |
| BASELINE | (Q-53112-032)THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT SALT WATER FEED PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-033- -DSTLT PMP MOT-RWND |  |              |  | MJC: EXECJC64 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 675 |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                         |
| BASELINE | (Q-53112-033)THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP ELECTRIC MOTOR REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-034- -DSTLT PMP MOT-RPR |              |               | MJC: EXECJC68  |                   | Rev Date: |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:   |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                                                                                                      |
| BASELINE | (Q-53112-034)THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP ELECTRIC MOTOR REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |



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| Task/Abbreviation: Q-53112-035- -DSTLT PMP MOT BRG-REPL |              |               | MJC: EXECJC72  |                   | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:   |
| Referenced Authority:                                   | Repair Pool: | MCC: 3        |                |                   |           |

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| Reason:  | Problem Description:                                                                                      | Recommended Solution:                                                                                                                                                           |
| BASELINE | (Q-53112-035)THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT DISTILLATE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                     |  |              |  |               |  |                  |  |                   |  |         |  |
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| Task/Abbreviation: Q-53112-036- -BRINE PMP MOT-RWND |  |              |  | MJC: EXECJD27 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,200 |  | ManDays: 26       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                       | Recommended Solution:                                                                                                                                                                    |
| BASELINE | (Q-53112-036)THE FLASH-TYPE DISTILLING PLANT BRINE PUMP ELECTRIC MOTOR REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT BRINE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-037- -BRINE PMP MOT-RPR |  |              |  | MJC: EXECJD29 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 300 |  | ManDays: 14       |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                                                                                 |
| BASELINE | (Q-53112-037)THE FLASH-TYPE DISTILLING PLANT BRINE PUMP ELECTRIC MOTOR REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT BRINE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53112-038- -BRINE PMP MOT BRG-REPL |         |               | MJC: EXECJD31 |            | Rev Date:         |
| RCM Analysis:                                           |         | Scheduled: N  | Sit Reqs:     | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                         | Freq: 0 | Equip/Task: 1 | Matl Cost: 15 | ManDays: 3 | Alt No:           |
| Referenced Authority:                                   |         | Repair Pool:  | MCC: 3        |            |                   |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                      |
| BASELINE | (Q-53112-038)THE FLASH-TYPE DISTILLING PLANT BRINE PUMP ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE FLASH-TYPE DISTILLING PLANT BRINE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-53112-039- -DSTLNG PLT (CHEM) - CLN |  |                     |  | <b>MJC:</b> EXECJAB7 |  | <b>Rev Date:</b> 5/26/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 4,275    |  | <b>ManDays:</b> 95       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                             | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE       | (Q-53112-039)THE FLASH-TYPE DISTILLING UNIT REQUIRES CHEMICAL CLEANING. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. CHEMICALLY CLEAN INTERNALS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53112-040- -DSTLNG PLT (MECH) - CLN |              |               | MJC: EXECJAB8    |                   | Rev Date: 5/26/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,275 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-53112-040)THE FLASH-TYPE DISTILLING UNIT REQUIRES MECHANICAL CLEANING. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. MECHANICALLY CLEAN INTERNALS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53112-041- -DSTLNG PLT (WELD) - RPR |              |               | MJC: EXECJAB9    |                   | Rev Date: 5/26/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,275 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-53112-041)THE FLASH-TYPE DISTILLING UNIT REQUIRES WELDING REPAIRS. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. ACCOMPLISH AUTHORIZED WELD REPAIRS TO EVAPORATOR SHELL AND TUBE SHEETS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53112-042- -DSTLNG PLT (HE TB) - RPR |              |               | MJC: EXECJAC0    |                   | Rev Date: 5/26/2005 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,275 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-53112-042)THE FLASH-TYPE DISTILLING UNIT HEAT EXCHANGER REQUIRES RETUBING. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RETUBE DESIGNATED INTERNAL STAGE HEAT EXCHANGERS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |



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| Task/Abbreviation: Q-53112-043- -DSTLNG PLT (PLUG HE) - RPR |  |              |  | MJC: EXECJAC1 |  | Rev Date: 5/26/2005 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 4,275    |  | ManDays: 95       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-53112-043)THE FLASH-TYPE DISTILLING UNIT HEAT EXCHANGER REQUIRES REPLUGGING. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. PLUG DESIGNATED HEAT EXCHANGER TUBES. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53112-044- -DSTLNG PLT (PACK HE) - RPR |              |               | MJC: EXECJAC2    |                   | Rev Date: 5/26/2005 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,275 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-53112-044)THE FLASH-TYPE DISTILLING UNIT HEAT EXCHANGER ENDS REQUIRE REPACKING. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPACK HEAT EXCHANGER TUBE ENDS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53112-045- -DSTLNG PLT (DEMISTERS) - REPL |              |               | MJC: EXECJAC3    |                   | Rev Date: 5/26/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,275 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-53112-045)THE FLASH-TYPE DISTILLING UNIT DEMISTERS REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE DEMISTERS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53112-046- -DSTLNG PLT (BAFFLES) - RPR |  |              |  | MJC: EXECJAC4 |  | Rev Date: 5/26/2005 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 4,275    |  | ManDays: 95       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-53112-046)THE FLASH-TYPE DISTILLING UNIT<br>BAFFLES REQUIRE REPAIR. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT<br>RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD<br>AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE<br>FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO<br>ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON<br>COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND<br>SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A<br>SATISFACTORY OPERATIONAL TEST. A. REPAIR BAFFLES. NOTE: 1.<br>M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53112-047- -DSTLNG PLT (BAFFLES) - REPL |  |              |  | MJC: EXECJAC5 |  | Rev Date: 5/26/2005 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 4,275    |  | ManDays: 95       |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-53112-047)THE FLASH-TYPE DISTILLING UNIT BAFFLES REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE BAFFLES. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53112-048- -DSTLNG PLT (DISCS) - REPL |  |              |  | MJC: EXECJAC6 |  | Rev Date: 5/26/2005 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 5,000    |  | ManDays: 95       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-53112-048)THE FLASH-TYPE DISTILLING UNIT RUPTURED DISCS REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE RUPTURED DISCS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53112-049- -DSTLNG PLT (VIEW GLASS) - REPL |              |               | MJC: EXECJAC7    |                   | Rev Date: 5/26/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,275 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-53112-049)THE FLASH-TYPE DISTILLING UNIT VIEW PORT GLASSES REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE VIEW PORT GLASSES. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| Task/Abbreviation: Q-53112-050- -DSTLNG PLT (AIR NOZZLES)-REPL |  |              |  | MJC: EXECJAC8 |  | Rev Date: 5/26/2005 |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 4,275    |  | ManDays: 95       |  | Alt No: |  |
| Referenced Authority:                                          |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-53112-050)THE FLASH-TYPE DISTILLING UNIT AIR EJECTOR NOZZLES REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE AIR EJECTOR NOZZLES. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |



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| Task/Abbreviation: Q-53112-051- -DSTLNG PLT (SPRAY CAPS) - REPL |              |               | MJC: EXECJAC9    |                   | Rev Date: 5/26/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,275 | ManDays: 95       | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-53112-051)THE FLASH-TYPE DISTILLING UNIT SPRAY CAPS REQUIRE REPLACEMENT. | REPAIR FLASH-TYPE DISTILLING UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS. CONDUCT PRE-LIMINARY HYDRO. RECORD AS-FOUND CONDITIONS AND REPORT SAME TO NSA. DISASSEMBLE FLASH-TYPE DISTILLING UNIT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING AUTHORIZED REPAIRS. ON COMPLETION OF REPAIRS, USING NEW GASKETS, FASTENERS, AND SEALS. HYDROSTATICALLY-TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE SPRAY CAPS. NOTE: 1. M/D ESTIMATES BY UNIT SIZE PER APL. |

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| <b>Task/Abbreviation:</b> Q-53112-064- -BRINE PMP MECH SEAL - REPL |  |                     |  | <b>MJC:</b> EXECJDO8 |  | <b>Rev Date:</b> 5/31/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675      |  | <b>ManDays:</b> 15       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                   | <b>Recommended Solution:</b>                                                                                                                                                                         |
| BASELINE       | (Q-53112-064)THE CENTRIFUGAL BRINE PUMP MECHANICAL SEAL REQUIRES REPLACEMENT. | REPLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-065- -BRINE PMP WEAR RINGS-REPL |              |               | MJC: EXECJDO9  |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: TBD       | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53112-065)THE CENTRIFUGAL BRINE PUMP (COUPLED) WEARING RINGS, SEAL REQUIRES REPLACEMENT. | REMOVE THE PUMP SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53112-066- -BRINE PMP RT ASSY - RPR |              |               | MJC: EXECJDP0  |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: TBD       | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason: | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASLINE | (Q-53112-066)THE CENTRIFUGAL BRINE PUMP (COUPLED) ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53112-067- -SW HTR CNDS PMP SEAL - REPL |              |               | MJC: EXECJDP1    |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,280 | ManDays: 28       | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                                                |
| BASELINE | (Q-53112-067)THE CENTRIFUGAL SALT WATER HEATER CONDENSATE PUMP MECHANICAL SEAL REQUIRES REPLACEMENT. | REPLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53112-068- -SW HTR CNDS PMP WEAR RING-REPL |              |               | MJC: EXECJDP2    |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,280 | ManDays: 28       | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53112-068)THE CENTRIFUGAL SALT WATER HEATER CONDENSATE PUMP (COUPLED) WEARING RINGS, SEAL REQUIRES REPLACEMENT. | REMOVE THE PUMP SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53112-069- -SW HTR CNDS PMP RT ASSY - RPR |              |               | MJC: EXECJDP3    |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,280 | ManDays: 28       | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason: | Problem Description:                                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASLINE | (Q-53112-069)THE CENTRIFUGAL SALT WATER HEATER CONDENSATE PUMP (COUPLED) ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53112-070- -DSTLT PMP MECH SEAL - REPL |              |               | MJC: EXECJDP4  |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: TBD       | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                |
| BASELINE | (Q-53112-070)THE CENTRIFUGAL DISTILLATE PUMP MECHANICAL SEAL REQUIRES REPLACEMENT. | REPLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-53112-071- -DSTLT PMP WEAR RINGS-REPL |              |               | MJC: EXECJDP5  |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: TBD       | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53112-071)THE CENTRIFUGAL DISTILLATE PUMP (COUPLED) WEARING RINGS REQUIRE REPLACEMENT. | REMOVE THE PUMP SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53112-072- -DSTLT PMP RT ASSY - RPR |              |               | MJC: EXECJDP6  |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: TBD       | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-53112-072)THE CENTRIFUGAL DISTILLATE PUMP (COUPLED) ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-53112-073- -SW FD PMP MECH SEAL - REPL |  |                                                                                 |  | <b>MJC:</b> EXECJDP7 |  | <b>Rev Date:</b> 5/31/2005                                                                                                                                                                           |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                                                             |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD                                                                                                                                                                                      |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0                                                                  |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 675                                                                                                                                                                                |  | <b>ManDays:</b> 15       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                                                                 |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                      |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                                                     |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                         |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-53112-073)THE CENTRIFUGAL SW FEED PUMP MECHANICAL SEAL REQUIRES REPLACEMENT. |  |                      |  | REPLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: Q-53112-074- -SW FD PMP WEAR RINGS-REPL |              |               | MJC: EXECJDP8  |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: TBD       | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53112-074)THE CENTRIFUGAL SW FEED PUMP (COUPLED) WEARING RINGS REQUIRE REPLACEMENT. | REMOVE THE PUMP SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53112-075- -SW FD PMP RT ASSY - RPR |              |               | MJC: EXECJDP9    |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,100 | ManDays: 26       | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-53112-075)THE CENTRIFUGAL SW FEED PUMP (COUPLED) ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: I-53112-095- -DISTILLATION UNIT - MRC G1C4 |              |               | MJC: EXECIA15 |                   | Rev Date: 8/17/2005 |
| RCM Analysis: 6/7/2004                                        | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-53112-095)THE DISTILLING PLANT, FLASH TYPE 5311 REQUIRES ASSESSMENT. | ACCOMPLISH THE DISTILLING PLANT, FLASH TYPE 5311 ASSESSMENT IN ACCORDANCE WITH MRC G1C4 AS FOLLOWS: 1. CONDUCT OPERATIONAL TEST OF THE DISTILLING PLANT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-53112-099- -DSTL PMPS VIB TST - MRC G1P1 |         |               | MJC: EXECIGH4 |            | Rev Date: 2/29/2008 |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:     |            | Qty: 1              | Removal Required: |
| Lvl of Maint: 3                                               | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No:             |                   |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3        |            |                     |                   |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-53112-099)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> K-53150-001- -SHIPALT LHA1-00834K - ACCOMP |                     |                      |                           | <b>MJC:</b> EXSAK213 | <b>Rev Date:</b> 11/2/2005   |
| <b>RCM Analysis:</b>                                                 | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     |                           | <b>Qty:</b> 1        | <b>Removal Required:</b> NO  |
| <b>Lvl of Maint:</b> 1                                               | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 144,000 | <b>ManDays:</b> 2100 | <b>Alt No:</b> SALHA 00834 K |
| <b>Referenced Authority:</b>                                         | <b>Repair Pool:</b> | <b>MCC:</b> 3        |                           |                      |                              |

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| <b>Reason:</b> | <b>Problem Description:</b> | <b>Recommended Solution:</b>                                                                                                                                |
| BASELINE       | (K-53150-1) FMP             | ACCOMPLISH SHIPALT LHA1-00834K WHICH INSTALLS FOUR 12,000 GALLON PER DAY (GPD) REVERSE OSMOSIS DESALINATION UNITS WHICH INCREASES POTABLE WATER PRODUCTION. |



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**Task/Abbreviation:** I-53151-001- -R/O DESALINATOR PLT - INSP**MJC:** EXECI193**Rev Date:** 5/12/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 4**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-53151-001) THE REVERSE OSMOSIS-TYPE  
DESALINATOR PLANT REQUIRES INSPECTIONINSP/OP TST REVERSE OSMOSIS DESALINATOR PLT(S), INCL ASSOC  
HT EXCHGRS, PMPS, VLVS & MTR TST, ADJ/SET OP OF AUTO CONT &  
ALARMS. ACCOMP MINOR RPRS. REPORT CONDITIONS FOUND TO  
SHIP'S CSMP. A. LOGIC CONTROLLER, PROGRAMMABLE (PLC). B.  
MOTOR CONTROLLER, (HIGH PRESSURE PUMP). C. HEATER, SEA  
WATER INLET. D. FILTERS, CARTRIDGE AND ACTIVATED CARBON.  
E. ROTAMETER FLOWMETER. F. TOTALIZING FLOWMETER. G. FEED  
BOOSTER PUMP. H. HIGH PRESSURE PUMP. I. RELAY CONTROLS,  
ELECTRO-MECHANICAL. J. REVERSE OSMOSIS (R/O) MODULES. K.  
SEPARATOR, CENTRIFUGAL. L. PRESSURE SWITCHES, INDICATORS  
AND ALARMS. M. TEMPERATURE SWITCHES, INDICATORS AND  
ALARMS. N. BRINE RESTRICTOR VALVE (PRESSURE REGULATING).  
O. DUMP VALVE (DIVERT TRIP VALVE). P. RELIEF VALVE PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.

|                                                   |              |               |                |                       |                     |
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| Task/Abbreviation: Q-53151-004- -R/O HP PMP - RPR |              |               | MJC: EXECQ930  |                       | Rev Date: 2/27/2009 |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: YES |                     |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20           | Alt No:             |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 3         |                       |                     |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-53151-004)THE HIGH PRESSURE PUMP OF THE REVERSE OSMOSIS - DESALINATOR PLANT REQUIRES REPAIR. | REPAIR HP PUMP OF THE REVERSE OSMOSIS DESALINATOR PLANT(S). DISASSEMBLE THE PUMP. CLEAN AND INSPECT ALL COMPONENTS. MEASURE AND RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF CRANKSHAFT, CONNECTING RODS, AND PISTON ASSEMBLIES. REPORT CONDITIONS FOUND TO THE NSA. A. RESURFACE/GRIND CRANKSHAFT AND CRANKPIN BEARING JOURNALS B. REPLACE CRANKSHAFT. C. REPLACE CRANKPIN BEARING INSERTS. D. REPLACE OR REBUSH WRIST PINS. E. REPLACE CRANKSHAFT BEARINGS. F. REPLACE PISTON RING SET(S). G. HONE CYLINDERS. H. REPAIR LUBE OIL PUMP ASSEMBLY. I. REPLACE V-BELTS. REASSEMBLE USING NEW GASKETS AND SEALS. REPLACE UNSERVICEABLE FASTENERS. MEASURE AND RECORD POST-REPAIR RUNNING CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53151-005- -R/O HP PMP MOT (SIS) - RPR |  |              |  | MJC: EXECQ931 |  | Rev Date: 8/10/2007 |  |                       |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4              |  | Removal Required: YES |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900      |  | ManDays: 20           |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                     |  | MCC: 3                |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-53151-005)ELECTRIC MOTOR REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE HIGH PRESSURE PUMP ELECTRIC MOTOR OF THE REVERSE OSMOSIS- DESALINATOR PLANT(S) PER CONDITION ASSESSMENT RECOMMENDATIONS. ACCOMPLISH ONE OF THE FOLLOWING: A. THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-17. B. THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-33. ON COMPLETION OF REPAIRS, REINSTALL AND ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53151-006- -R/O DESALINATOR PLT - RPR |              |               | MJC: EXECQ314    |                      | Rev Date: 2/27/2009 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: NO |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,890 | ManDays: 42          | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3           |                      |                     |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-53151-006)REVERSE OSMOSIS PLANT REQUIRES REPAIR | DISASSEMBLE THE REVERSE OSMOSIS - DESALINATOR PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, FASTENERS AND SEALS. HYDROSTATICALLY TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. ACCOMPLISH WELD REPAIRS TO EVAPORATOR SHELL. B. CHEMICALLY CLEAN INTERNALS. C. MECHANICALLY CLEAN INTERNALS. D. REPLACE REVERSE OSMOSIS MODULES. E. REPLACE REVERSE OSMOSIS MEMBRANES. |

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| Task/Abbreviation: Q-53151-029- -R/O HP PMP MOT-RWND |  |              |  | MJC: EXECJB37 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,446 |  | ManDays: 31       |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                | Recommended Solution:                                                                                                                                                                                           |
| BASELINE | (Q-53151-029)THE ELECTRIC MOTOR OF THE REVERSE OSMOSIS-TYPE DISTILLING PLANT HIGH PRESSURE PUMP REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE REVERSE OSMOSIS-TYPE DISTILLING PLANT FEED HIGH PRESSURE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-53151-030- -R/O HP PMP MOT-RPR |  |                     |  | <b>MJC:</b> EXECJB39 |  | <b>Rev Date:</b> 2/27/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                       |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 4              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                     |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 396      |  | <b>ManDays:</b> 20       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                               |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                                              | <b>Recommended Solution:</b>                                                                                                                                                                                                                                            |
| BASELINE       | (Q-53151-030)THE ELECTRIC MOTOR OF THE REVERSE OSMOSIS-TYPE DISTILLING PLANT HIGH PRESSURE PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE REVERSE OSMOSIS-TYPE DISTILLING PLANT HIGH PRESSURE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53151-031- -R/O HP PMP MOT BRG-REPL |         |               | MJC: EXECJB41  |            | Rev Date: 2/27/2009 |
| RCM Analysis:                                            |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required:   |
| Lvl of Maint: 1                                          | Freq: 0 | Equip/Task: 1 | Matl Cost: 198 | ManDays: 4 | Alt No:             |
| Referenced Authority:                                    |         | Repair Pool:  | MCC: 3         |            |                     |

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| Reason:  | Problem Description:                                                                                                          | Recommended Solution:                                                                                                                                                                        |
| BASELINE | (Q-53151-031)THE ELECTRIC MOTOR BEARINGS OF THE REVERSE OSMOSIS-TYPE DISTILLING PLANT HIGH PRESSURE PUMP REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE REVERSE OSMOSIS-TYPE DISTILLING PLANT HIGH PRESSURE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-53154-001- -R/O DESALINATOR PLT - INSP |              |               | MJC: EXECIFB2 |                      | Rev Date: 6/8/2005 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: NO |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 50 | ManDays: 5           | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3        |                      |                    |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-53154-001)THE REVERSE OSMOSIS-TYPE DESALINATOR PLANT REQUIRES INSPECTION | INSP/OP TST REVERSE OSMOSIS DESALINATOR PLT(S), INCL ASSOC HT EXCHGRS, PMPS, VLVS & MTR TST, ADJ/SET OP OF AUTO CONT & ALARMS. ACCOMP MINOR RPRS.REPORT CONDITIONS FOUND TO SHIP'S CSMP. A. LOGIC CONTROLLER, PROGRAMMABLE (PLC) B. MOTOR CONTROLLER, (HIGH PRESSURE PUMP) C. HEATER, SEA WATER INLET. D. FILTERS, CARTRIDGE AND ACTIVATED CARBON E. ROTAMETER FLOWMETER F. TOTALIZING FLOWMETER G. FEED BOOSTER PUMP H. HIGH PRESSURE PUMP I. RELAY CONTROLS, ELECTRO-MECHANICAL J. REVERSE OSMOSIS (R/O) MODULES K. SEPARATOR, CENTRIFUGAL L. PRESSURE SWITCHES, INDICATORS AND ALARMS M. TEMPERATURE SWITCHES, INDICATORS AND ALARMS N. BRINE RESTRICTOR VALVE (PRESSURE REGULATING) O. DUMP VALVE (DIVERT TRIP VALVE) P. RELIEF VALVE PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: Q-53154-004- -R/O HP PMP - RPR |              |               | MJC: EXECQBP2  |                       | Rev Date: 9/7/2006 |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: YES |                    |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20           | Alt No:            |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 3         |                       |                    |

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| Reason:  | Problem Description:                                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-53154-004)THE HIGH PRESSURE PUMP OF THE REVERSE OSMOSIS- DESALINATOR PLANT REQUIRES REPAIR. | REPAIR HP PUMP OF THE REVERSE OSMOSIS DESALINATOR PLANT(S). DISASSEMBLE THE PUMP. CLEAN AND INSPECT ALL COMPONENTS. MEASURE AND RECORD AS-FOUND DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF CRANKSHAFT, CONNECTING RODS, AND PISTON ASSEMBLIES. REPORT CONDITIONS FOUND TO THE NSA. A. RESURFACE/GRIND CRANKSHAFT AND CRANKPIN BEARING JOURNALS B. REPLACE CRANKSHAFT. C. REPLACE CRANKPIN BEARING INSERTS. D. REPLACE OR REBUSH WRIST PINS. E. REPLACE CRANKSHAFT BEARINGS. F. REPLACE PISTON RING SET(S). G. HONE CYLINDERS. H. REPAIR LUBE OIL PUMP ASSEMBLY. I. REPLACE V-BELTS. REASSEMBLE USING NEW GASKETS AND SEALS. REPLACE UNSERVICEABLE FASTENERS. MEASURE AND RECORD POST-REPAIR RUNNING CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53154-005- -R/O HP PMP MOT-RPR |  |              |  | MJC: EXECJEG8 |  | Rev Date: 6/8/2005 |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 396     |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                     | Recommended Solution:                                                                                                                                                                                                                                                   |
| BASELINE | (Q-53154-005)THE ELECTRIC MOTOR OF THE REVERSE OSMOSIS-TYPE DISTILLING PLANT HIGH PRESSURE PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE REVERSE OSMOSIS-TYPE DISTILLING PLANT HIGH PRESSURE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53154-006- -R/O DESALINATOR PLT - RPR |              |               | MJC: EXECQBP3    |                      | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: NO |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,890 | ManDays: 42          | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3           |                      |           |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-53154-006)REVERSE OSMOSIS PLANT REQUIRES REPAIR | DISASSEMBLE THE REVERSE OSMOSIS - DESALINATOR PLANT TO THE EXTENT NECESSARY TO ACCOMPLISH THE FOLLOWING REPAIRS PER CONDITION ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE USING NEW GASKETS, FASTENERS AND SEALS. HYDROSTATICALLY TEST UNIT AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. ACCOMPLISH WELD REPAIRS TO EVAPORATOR SHELL. B. CHEMICALLY CLEAN INTERNALS. C. MECHANICALLY CLEAN INTERNALS. D. REPLACE REVERSE OSMOSIS MODULES. E. REPLACE REVERSE OSMOSIS MEMBRANES. |

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| Task/Abbreviation: I-53311-001- -POTW PMP - INSP |  |              |  | MJC: EXECI195 |  | Rev Date: 2/8/2008 |  |                      |  |         |  |
| RCM Analysis:                                    |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: NO |  |         |  |
| Lvl of Maint: 1                                  |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 3           |  | Alt No: |  |
| Referenced Authority:                            |  |              |  | Repair Pool:  |  |                    |  | MCC: 2               |  |         |  |

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| Reason:  | Problem Description:                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-53311-001)THE POTABLE WATER PUMP REQUIRES INSPECTION | INSPECT AND TEST THE POTABLE WATER CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-53311-005- -POTW PMP (CC) - RPR |              |               | MJC: EXECQ620  |                       | Rev Date: 2/27/2009 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: YES |                     |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 945 | ManDays: 21           | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2         |                       |                     |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-53311-005)THE CENTRIFUGAL POTABLE WATER PUMP (CLOSE COUPLED) REQUIRES REPAIR. | REMOVE THE PUMP UNIT (CLOSE-COUPLED). OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. K. CONDUCT A VIBRATION TEST. L. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: I-53311-021- -BROMINE RECIRC PMP UNIT- INSP |              |               | MJC: EXECICK4 |                      | Rev Date: 1/28/2008 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 4        | Removal Required: NO |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3           | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2        |                      |                     |

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| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-53311-021)THE BROMINE RECIRCULATING PUMP UNIT REQUIRES INSPECTION | INSPECT AND TEST THE BROMINE RECIRCULATING CENTRIFUGAL PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-53311-022- -BROMINE RECIRC PMP SHOP - RPR |              |               | MJC: EXECQBL0  |                       | Rev Date: 2/27/2009 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: YES |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 945 | ManDays: 21           | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2         |                       |                     |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-53311-022)THE CENTRIFUGAL BROMINE RECIRCULATING PUMP UNIT (CLOSE COUPLED) REQUIRES REPAIR. | REMOVE THE PUMP UNIT (CLOSE-COUPLED). OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. K. CONDUCT A VIBRATION TEST. L. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53311-025- -PROPNG BROMINATOR - RPR |              |               | MJC: EXECQAK9  |                      | Rev Date: 3/5/1999 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: NO |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15          | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2         |                      |                    |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-53311-025)THE PROPORTIONING BROMINATOR UNIT REQUIRES REPAIR. | REPAIR THE PROPORTIONING BROMINATOR UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS AND EQUIPMENT TECHNICAL MANUAL. REMOVE, DISASSEMBLE, CLEAN AND INSPECT PARTS AND COMPONENTS. ON COMPLETION OF REPAIRS, REINSTALL COMPONENTS USING NEW PARTS IN PLACE OF THOSE FOUND TO BE MISSING, WORN OR DEFECTIVE. ADJUST AND ALIGN EQUIPMENT IN ACCORDANCE WITH TECHNICAL MANUAL. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-53311-028- -PROPNG BROMINATOR - REPL |              |               | MJC: EXECQB11  |                      | Rev Date: 8/24/2003 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: NO |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15          | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                      |                     |

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| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                          |
| BASELINE | (Q-53311-028)THE PROPORTIONING BROMINATOR UNIT REQUIRES REPLACEMENT. | REPLACE THE PROPORTIONING BROMINATOR UNIT PER CONDITION ASSESSMENT RECOMMENDATIONS AND EQUIPMENT TECHNICAL MANUAL. ADJUST AND ALIGN EQUIPMENT IN ACCORDANCE WITH TECHNICAL MANUAL. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53311-041- -POTW PMP MOT-RWND |  |              |  | MJC: EXECJB46 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 960 |  | ManDays: 23       |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                            |
| BASELINE | (Q-53311-041)THE ELECTRIC MOTOR OF THE ELECTRONICS POTABLE WATER PUMP REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE ELECTRONICS POTABLE WATER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53311-042- -POTW PMP MOT-RPR |         |               | MJC: EXECJB47  |             | Rev Date: |                   |
| RCM Analysis:                                     |         | Scheduled: N  | Sit Reqs:      |             | Qty: 4    | Removal Required: |
| Lvl of Maint: 1                                   | Freq: 0 | Equip/Task: 1 | Matl Cost: 300 | ManDays: 14 | Alt No:   |                   |
| Referenced Authority:                             |         | Repair Pool:  |                | MCC: 3      |           |                   |

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| Reason:  | Problem Description:                                                                           | Recommended Solution:                                                                                                                                                                                                                         |
| BASELINE | (Q-53311-042)THE ELECTRIC MOTOR OF THE ELECTRONICS POTABLE WATER PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE ELECTRONICS POTABLE WATER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53311-043- -POTW PMP MOT BRG-REPL |              |               | MJC: EXECJB48  |                   | Rev Date: 2/27/2009 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 150 | ManDays: 3        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                                    | Recommended Solution:                                                                                                                                  |
| BASELINE | (Q-53311-043)THE ELECTRIC MOTOR BEARINGS OF THE POTABLE WATER PUMP REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE POTABLE WATER PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53311-050- -POTW PMP MECH SEAL - REPL |              |               | MJC: EXECJDT1  |                   | Rev Date: 6/3/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 2                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 945 | ManDays: 2        | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                                                     | Recommended Solution:                                                                                                                                                                                              |
| BASELINE | (Q-53311-050)THE POTABLE WATER PUMP (CLOSE COUPLED) MECHANICAL SEAL REQUIRE REPLACEMENT. | REPLACE THE PUMP (CLOSE COUPLED) MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-53311-051- -POTW PMP WEAR RINGS - REPL |              |               | MJC: EXECJDT2  |                   | Rev Date: 6/3/2005 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 2                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 945 | ManDays: 6        | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53311-051)THE CENTRIFUGAL POTABLE WATER PUMP (CLOSE COUPLED) WEARING RINGS, SEAL REQUIRE REPLACEMENT. | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53311-052- -POTW PMP ROTNG ASSY - RPR |              |               | MJC: EXECJDT3  |                   | Rev Date: 6/3/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 2                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 945 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason: | Problem Description:                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASLINE | (Q-53311-052)THE CENTRIFUGAL POTABLE WATER PUMP (CLOSE COUPLED) ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53311-053- -BROMINE RECIRC PMP SEAL - REPL |              |               | MJC: EXECJCW7  |                   | Rev Date: 2/27/2009 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 945 | ManDays: 2        | Alt No:             |
| Referenced Authority:                                           | Repair Pool: | MCC: 2        |                |                   |                     |

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| Reason:  | Problem Description:                                                                              | Recommended Solution:                                                                                                                                                                                              |
| BASELINE | (Q-53311-053)THE BROMINE RECIRCULATING PUMP (CLOSE COUPLED) MECHANICAL SEAL REQUIRES REPLACEMENT. | REPLACE THE PUMP (CLOSE COUPLED) MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-53311-054- -BROMINE RECIRC PMP RINGS-REPL |              |               | MJC: EXECJCW8  |                   | Rev Date: 2/27/2009 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 2                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 945 | ManDays: 6        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-53311-054)THE CENTRIFUGAL BROMINE RECIRCULATING PUMP (CLOSE COUPLED) WEARING RINGS, SEAL REQUIRES REPLACEMENT. | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-53311-055- -BROMINE RECIRC PMP RT ASSY-RPR |              |               | MJC: EXECJCW9  |                   | Rev Date: 2/27/2009 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 945 | ManDays: 8        | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason: | Problem Description:                                                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASLINE | (Q-53311-055)THE CENTRIFUGAL BROMINE RECIRCULATING PUMP (CLOSE COUPLED) ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: D-53311-067- -SHIPALT LHA1-01130D - ACCOMP |              |               | MJC: EXSAD473      |                   | Rev Date: 9/8/2005    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1             | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 113,400 | ManDays: 2237     | Alt No: SALHA 01130 D |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2             |                   |                       |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                           |
| BASELINE | (D-53311-67) SHIPALT LHA1-01130D, INSTL PIPED EYEWASH STATIONS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01130D WHICH INSTALLS NEW PIPED EYEWASH STATIONS IN COMPARTMENTS WHERE PERSONNEL MAY BE EXPOSED TO CORROSIVE MATERIALS. |

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| Task/Abbreviation: I-53311-068- -POTW PMPS VIB TST - MRC G1P1 |  |              |  | MJC: EXECIGH8 |  | Rev Date: 2/29/2008 |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-53311-068)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: D-53311-082- -SHIPALT LHA1-73668D - ACCOMP |  |              |  | MJC: EXSAD598 |  | Rev Date: 2/28/2008 |  |                   |  |                       |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |                       |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 10       |  | ManDays: 10       |  | Alt No: SALHA 73668 D |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |                       |  |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                           |
| BASELINE | (D-53311-82) SHIPALT LHA1-73668D, RECIRCULATING BROMINATOR, NOT ACCOMPLISHED. | ACCOMPLISH SHIPALT LHA1-73668D WHICH REPLACES THE EXISTING BROMINATOR SYSTEM WITH AN IMPROVED MODEL. POC: JOSEPH AMADORO, 215-897-7274, JOSEPH.AMADORO@NAVY.MIL |

|                                                                                 |                                   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                      |
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| Task/Abbreviation: I-53411-001- -(M)AUX STM S00T BLOWER PP - UT                 |                                   |               | MJC: EXECM120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | Rev Date: 3/22/2010  |
| RCM Analysis:                                                                   |                                   | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Qty: 2     | Removal Required: NO |
| Lvl of Maint: 1                                                                 | Freq: 60                          | Equip/Task: 1 | Matl Cost: 225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ManDays: 5 | Alt No:              |
| Referenced Authority:                                                           |                                   | Repair Pool:  | MCC: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |                      |
| NSTM CH-221, PARA. 221-3.3.6.1 ISE ADVISORY011-09,R181732Z309 GC:280000,MA:A5K0 |                                   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                      |
| Reason:                                                                         | Problem Description:              |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                      |
| BASELINE                                                                        | (I-53411-001)NSTM REQUIREMENT DUE |               | IAW NSTM CH-221, PARA. 221-3.3.6.1, VISUALLY INSPECT AND ULTRASONICALLY TEST THE SOOT BLOWER PIPING FROM STEAM ROOT VALVES TO SOOT BLOWER FLANGES INCLUDING ENTIRE DRAINAGE SYSTEM DOWN TO THE RESERVOIR AND LAST DRAIN VALVE AS FOLLOWS AND REPORT CONDITIONS FOUND TO THE NSA: A. REMOVE LAGGING AND INSULATION AND CLEAN PIPING TO BARE METAL AT TEST AREAS. B. OBTAIN FOUR (4) READINGS AT SELECTED AREA, 90 DEGREES APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS. 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. 3. WHERE PIPE SIZE REDUCES. C. PRESERVE AND RELAG DISTURBED PIPING AREAS. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. D. ACCEPTANCE CRITERIA SHALL BE IAW NSTM 505.<br><br>NOTE: USE NAVSEA TECH MANUAL S-9221-D2-MMA-010 APPENDIX D., SECTION 10 AND 10.2 AND APPENDIX F., SECTION 2.4 AND FIGURE F-3 TO AID IN IDENTIFICATION OF THE EXTENT OF PIPING TO BE INSPECTED. |            |                      |

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**Task/Abbreviation:** I-53411-015- -AUX STM PP - CAR INSP**MJC:** EXECIJ83**Rev Date:** 11/30/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 100,000**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-53411-015) NSTM REQUIREMENT DUE.

IAW NSTM CH-505, PARA. 505-1.4, ENGAGE CONTRACTOR TO ACCOMPLISH COMPUTER AIDED RADIOGRAPHIC TESTING OF THE AUXILIARY STEAM SYSTEM PIPING, PRIOR TO AN INDUSTRIAL AVAILABILITY, FROM BOILER AUXILIARY STEAM STOPS TO ALL FDB SUPPLY ROOT VALVES, TO ALL MFP SUPPLY ROOT VALVES, TO ALL FIRE PUMP SUPPLY ROOT VALVES, TO ALL 600/150 PSI REDUCING STATION ROOT VALVES, AND INCLUDING AUXILIARY STEAM CROSS CONNECT PIPING, AS FOLLOWS: A. ESTABLISH SAFETY BOUNDARIES AROUND INSPECTED SYSTEM. B. OBTAIN ONE IMAGE AT EACH SELECTED AREA IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO WELDS, HANGERS, AND EXTERNAL CORROSION. 3. LOW POINTS. 4. EVERY 3 FEET ON STRAIGHT RUNS OF PIPE. 5. LOCATIONS WHERE THINNING IS SUSPECTED. C. CONTRACTOR TO PROVIDE INITIAL REPORT TO SHIP. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-53412-001- -(M)AUX STM SOOT BLOWER PP - UT**MJC:** EXECM121**Rev Date:** 3/22/2010**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 60**Equip/Task:** 1**Matl Cost:** 225**ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2

NSTM CH-221, PARA. 221-3.3.6.1 ISE ADVISORY 011-09,R181732Z30 GC:280000,MA:A5K0

**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-53412-001)NSTM REQUIREMENT DUE

IAW NSTM CH-221, PARA. 221-3.3.6.1, VISUALLY INSPECT AND ULTRASONICALLY TEST THE SOOT BLOWER PIPING FROM STEAM ROOT VALVES TO SOOT BLOWER FLANGES INCLUDING ENTIRE DRAINAGE SYSTEM DOWN TO THE RESERVOIR AND LAST DRAIN VALVE AS FOLLOWS AND REPORT CONDITIONS FOUND TO THE NSA: A. REMOVE LAGGING AND INSULATION AND CLEAN PIPING TO BARE METAL AT TEST AREAS. B. OBTAIN FOUR (4) READINGS AT SELECTED AREA, 90 DEGREES APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS. 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. 3. WHERE PIPE SIZE REDUCES. C. PRESERVE AND RELAG DISTURBED PIPING AREAS. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. D. ACCEPTANCE CRITERIA SHALL BE IAW NSTM 505.

NOTE: USE NAVSEA TECH MANUAL S-9221-D2-MMA-010 APPENDIX D., SECTION 10 AND 10.2 AND APPENDIX F., SECTION 2.4 AND FIGURE F-3 TO AID IN IDENTIFICATION OF THE EXTENT OF PIPING TO BE INSPECTED.



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**Task/Abbreviation:** I-53412-007- -AUX STM PP - CAR INSP**MJC:** EXECIJ84**Rev Date:** 11/30/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 100,000**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-53412-007) NSTM REQUIREMENT DUE.

IAW NSTM CH-505, PARA. 505-1.4, ENGAGE CONTRACTOR TO ACCOMPLISH COMPUTER AIDED RADIOGRAPHIC TESTING OF THE AUXILIARY STEAM SYSTEM PIPING, PRIOR TO AN INDUSTRIAL AVAILABILITY, FROM BOILER AUXILIARY STEAM STOPS TO ALL FDB SUPPLY ROOT VALVES, TO ALL MFP SUPPLY ROOT VALVES, TO ALL FIRE PUMP SUPPLY ROOT VALVES, TO ALL 600/150 PSI REDUCING STATION ROOT VALVES, AND INCLUDING AUXILIARY STEAM CROSS CONNECT PIPING, AS FOLLOWS: A. ESTABLISH SAFETY BOUNDARIES AROUND INSPECTED SYSTEM. B. OBTAIN ONE IMAGE AT EACH SELECTED AREA IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO WELDS, HANGERS, AND EXTERNAL CORROSION. 3. LOW POINTS. 4. EVERY 3 FEET ON STRAIGHT RUNS OF PIPE. 5. LOCATIONS WHERE THINNING IS SUSPECTED. C. CONTRACTOR TO PROVIDE INITIAL REPORT TO SHIP. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|-------------------------------------------------------------|--------------|---------------|----------------|----------------------|--------------------|
| Task/Abbreviation: I-54111-001-A-FO XFR SYS NON-COMPSG - UT |              |               | MJC: EXECICL1  |                      | Rev Date: 6/8/2007 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: NO |                    |
| Lvl of Maint: 2                                             | Freq: 0      | Equip/Task: X | Matl Cost: 450 | ManDays: 9           | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3         |                      |                    |

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|----------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-54111-001)THE NON-COMPENSATING-TYPE SHIP FUEL, FILL AND TRANSFER SYSTEM PIPING REQUIRES ULTRASONIC TESTING | ULTRASONICALLY-TEST THE NON-COMPENSATED-TYPE SHIP FUEL, FILL AND TRANSFER SYSTEM PIPING FROM STORAGE AND SERVICE TANKS, DECK FILL AND DISCHARGE SYSTEMS TO FUEL TRANSFER PUMPS AND VALVE MANIFOLDS IN MACHINERY SPACES AS FOLLOWS: A. CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES (90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. 3. WHERE PIPE SIZE REDUCES C. PRESERVE DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. ULTRASONIC TESTING NOT REQUIRED ON MONEL PIPING. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|---------------------------------------------------|---------|---------------|------------------|-------------|-----------|-----------------------|
| Task/Abbreviation: Q-54121-007- -FO XFR PMP - RPR |         |               | MJC: EXECQ684    |             | Rev Date: |                       |
| RCM Analysis:                                     |         | Scheduled: N  | Sit Reqs:        |             | Qty: 3    | Removal Required: YES |
| Lvl of Maint: 2                                   | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,535 | ManDays: 34 | Alt No:   |                       |
| Referenced Authority:                             |         | Repair Pool:  |                  | MCC: 3      |           |                       |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-54121-007)PUMP REQUIRES REPAIR | REMOVE THE ROTARY/SCREW PUMP TO THE SHOP. OPEN, CLEAN AND INSPECT ALL PUMP COMPONENTS. RECORD ROTOR AND HOUSING BORE DIAMETER, CLEARANCES AND RUNOUTS A. ACCOMPLISH NDT OF PUMP SHAFT AND ROTOR ASSEMBLY. REPAIR THE ROTARY/SCREW FUEL SERVICE PUMP PER CONDITION ASSESSMENT RECOMMENDATIONS. B. RESURFACE AND MACHINE SHAFT JOURNALS IN WAY OF PACKING AND BEARINGS. C. STONE/DRESS BEARING HOUSING FIT AREAS. D. STONE/DRESS TIMING GEARS. E. RESURFACE AND MACHINE PUMP CASING BORES USING AUTHORIZED COATING SYSTEM. F. STONE/DRESS CASING MATING AND SEALING SURFACE. G. REPLACE PUMP ROTOR SHAFT AND KEY. H. REPLACE PUMP ROTOR ASSEMBLY AND ENSURE ROTOR TO CASING CLEARANCES. I. REPLACE LINER/SLEEVE ASSEMBLY. J. REPLACE PUMP CASING. K. REPLACE TIMING GEAR SET AND ENSURE PROPER CLEARANCES. L. REPLACE TIMING GEAR SPACERS. M. REPLACE THRUST WASHERS AND ENSURE PROPER CLEARANCES. N. REPLACE COUPLING. REASSEMBLE UNIT WITH NEW GASKET, BEARINGS, PACKING, MECHANICAL SEAL, FASTENERS, O-RINGS AND KEYS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-54121-022- -FO XFR PMP MOT-RWND |  |              |  | MJC: EXECJC27 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3           |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,940 |  | ManDays: 54       |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                |
| BASELINE | (Q-54121-022)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE FUEL TRANSFER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-54121-023- -FO XFR PMP MOT - RPR |  |              |  | MJC: EXECJC28 |  | Rev Date: 3/26/2010 |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3              |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 480      |  | ManDays: 35       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                             |
| BASELINE | (Q-54121-023)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE FUEL TRANSFER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-54121-024- -FO XFR PMP MOT BRG-REPL |  |              |  | MJC: EXECJC29 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3         |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 240 |  | ManDays: 7        |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  |  | Problem Description:                                     |  | Recommended Solution:                                                                                                                                  |  |
| BASELINE |  | (Q-54121-024)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT |  | DISASSEMBLE THE ELECTRIC MOTOR OF THE FUEL TRANSFER PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |

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**Task/Abbreviation:** I-54121-056- -FO XFR PMP - MRC A5F8**MJC:** EXECIA68**Rev Date:** 7/28/2009**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-54121-056)THE FUEL OIL TRANSFER PUMP  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE FUEL OIL TRANSFER PUMP ASSESSMENT IN  
ACCORDANCE WITH MRC A5F8 AS FOLLOWS: 1. CONDUCT VISUAL  
INSPECTION OF MOTOR-DRIVEN FUEL OIL TRANSFER PUMP,  
REDUCER (IF INSTALLED) AND MOTOR FOUNDATION. 2. CONDUCT  
VISUAL INSPECTION OF MOTOR-DRIVEN FUEL OIL TRANSFER PUMP  
UNIT (PUMP, MOTOR, AND REDUCER-IF INSTALLED). 3. PERFORM  
MOTOR-DRIVEN FUEL OIL TRANSFER PUMP OPERATIONAL TEST.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-54121-057- -FO XFR PMP - MRC G1G2 |  |              |  | MJC: EXECIA69 |  | Rev Date: 7/12/2005 |  |                   |  |         |  |
| RCM Analysis: 7/12/2004                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-54121-057)THE FUEL OIL TRANSFER PUMP REQUIRES ASSESSMENT. | ACCOMPLISH THE FUEL OIL TRANSFER PUMP ASSESSMENT IN ACCORDANCE WITH MRC G1G2 AS FOLLOWS: 1. MEASURE FUEL OIL TRANSFER PUMP SHAFT ALIGNMENT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-54121-058- -FO XFR PMP - MRC G1G3 |  |              | MJC: EXECIA70 |               | Rev Date: 7/12/2005 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 2     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-54121-058)THE FUEL OIL TRANSFER PUMP REQUIRES ASSESSMENT. | ACCOMPLISH THE FUEL OIL TRANSFER PUMP ASSESSMENT IN ACCORDANCE WITH MRC G1G3 AS FOLLOWS: 1. MEASURE FUEL OIL TRANSFER PUMP SHAFT ALIGNMENT (VERTICAL PUMP). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-54121-062- -FO XFR PMPS VIB TST - MRC G1P1 |              |               | MJC: EXECIGI1 |                   | Rev Date: 6/20/2008 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |               |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-54121-062)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|---------------------------------------------------|--------------|---------------|----------------|----------------------|----------------------|
| Task/Abbreviation: I-54211-001-A-JP5 SVCE PP - UT |              |               | MJC: EXECICK0  |                      | Rev Date: 12/16/2004 |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: NO |                      |
| Lvl of Maint: 2                                   | Freq: 0      | Equip/Task: X | Matl Cost: 450 | ManDays: 9           | Alt No:              |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 3         |                      |                      |

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| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-54211-001)THE JP-5 SERVICE AND FILLING SYSTEM PIPING REQUIRES ULTRASONIC TESTING | ULTRASONICALLY-TEST THE JP-5 SERVICE AND FILLING SYSTEM PIPING FROM STORAGE AND SERVICE TANKS, DECK FILL AND DISCHARGE SYSTEMS TO JP-5 TRANSFER PUMPS AND VALVE MANIFOLDS IN MACHINERY SPACES AS FOLLOWS: A. CLEAN PIPING TO BARE METAL AT AREAS TO BE TESTED. B. OBTAIN FOUR (4) READINGS AT EACH SELECTED AREA, NINETY DEGREES (90 DEGS) APART IN THE FOLLOWING AREAS: 1. AT ALL BENDS (PARTICULARLY THE OUTSIDE RADIUS). 2. AREAS ADJACENT TO HANGERS AND EXTERNAL CORROSION. 3. WHERE PIPE SIZE REDUCES C. PRESERVE AND RELAG DISTURBED PIPING AREAS. D. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-------------------------------------------------------|--------------|---------------|------------------|----------------------|--------------------|
| Task/Abbreviation: Q-54221-002- -CNTFGL JP5 PMP - RPR |              |               | MJC: EXECQ694    |                      | Rev Date: 8/4/2008 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: NO |                    |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,800 | ManDays: 40          | Alt No:            |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3           |                      |                    |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-54221-002)CENTRIFUGAL JP-5 PUMP REQUIRES REPAIR | OPEN THE PUMP CASING. DISCONNECT COUPLING AND REMOVE THE ROTATING ELEMENT. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|------------------------------------------------|--------------|---------------|------------------|-----------------------|--------------------|
| Task/Abbreviation: Q-54221-003- -JP5 PMP - RPR |              |               | MJC: EXECQ695    |                       | Rev Date: 9/7/2006 |
| RCM Analysis:                                  | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: YES |                    |
| Lvl of Maint: 1                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,800 | ManDays: 40           | Alt No:            |
| Referenced Authority:                          |              | Repair Pool:  | MCC: 3           |                       |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-54221-003)PUMP REQUIRES REPAIR | DISCONNECT THE PUMP COUPLING AND REMOVE THE PUMP TO THE SHOP. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS. |

|                                                    |              |               |                  |                       |                    |
|----------------------------------------------------|--------------|---------------|------------------|-----------------------|--------------------|
| Task/Abbreviation: Q-54221-004- -JP5 PMP(CC) - RPR |              |               | MJC: EXECQAC4    |                       | Rev Date: 9/7/2006 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 4           | Removal Required: YES |                    |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,800 | ManDays: 40           | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 2           |                       |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-54221-004)PUMP REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM (IF REQUIRED). H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. K. CONDUCT A VIBRATION TEST. L. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-54221-005- -JP5 PMP(CC) - RPR |              |               | MJC: EXECQAC5  |                      | Rev Date: 9/7/2006 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: NO |                    |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20          | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 2         |                      |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-54221-005)PUMP REQUIRES REPAIR | REMOVE THE PUMP UNIT (CLOSE-COUPLED). OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. K. CONDUCT A VIBRATION TEST. L. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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**Task/Abbreviation:** Q-54221-008- -JP5 PMP - RPR**MJC:** EXECQ700**Rev Date:** 9/7/2006**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 2**Matl Cost:** 900**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-54221-008)PUMP REQUIRES REPAIR

REMOVE THE ROTARY/VANE PUMP. OPEN, CLN AND INSP PUMP CASING. INSPECT ALL COMPONENTS. RECORD ROTOR & HOUSING BORE DIA, CLEARANCES & RUNOUTS & REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. ACCOMPLISH NDT PUMP SHAFT, ROTOR ASSY, LINER/SLEEVE & DISCS. B. RESURFACE & MACHINE SHAFT JOURNALS IN WAY OF PACKING & BEARINGS. C. STONE/DRESS BEARING HOUSING FIT AREAS. D. RESURFACE & MACHINE PUMP CASING BORES USING AUTHORIZED COATING SYSTEM. E. STONE/DRESS CASING MATING AND SEALING SURFACE. F. REPLACE PUMP ROTOR SHAFT AND KEY. G. REPLACE PUMP ROTOR ASSY & ENSURE ROTOR TO CASING CLEARANCES. H. REPLACE PUSH RODS AND VANES. I. REPLACE LINER/SLEEVE ASSY. J. REPLACE PUMP CASING AND DISCS. K. REPLACE PUMP TO REDUCTION GEAR COUPLING. L. REPLACE MOTOR TO REDUCTION GEAR COUPLING. M. REPAIR PRESSURE CONTROL VALVE ASSY. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, PACKING, MECHANICAL SEALS, LOCKNUTS, LOCKWASHERS, O RINGS & KEYS. RECORD POST-REPAIR CLEARANCES & RUNOUTS. ALIGN DRIVER & PUMP TO REDUCTION GEAR UNIT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.



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| Task/Abbreviation: I-54221-016- -JP5 PURIFIER - INSP |  |              |               | MJC: EXECI268 |            | Rev Date: 7/2/2007   |  |
| RCM Analysis:                                        |  | Scheduled: N | Sit Reqs:     |               | Qty: 4     | Removal Required: NO |  |
| Lvl of Maint: 3                                      |  | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2 | Alt No:              |  |
| Referenced Authority:                                |  |              | Repair Pool:  |               | MCC: 2     |                      |  |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-54221-016)THE JP-5 PURIFIER REQUIRES INSPECTION | INSPECT AND TEST THE JP-5 PURIFIER UNIT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. INCLUDE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TEST. C. VIBRATION ANALYSIS SURVEY. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

|                                                     |         |               |                   |              |                     |                       |
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| Task/Abbreviation: Q-54221-017- -JP5 PURIFIER - RPR |         |               | MJC: EXECQAC6     |              | Rev Date: 4/21/2004 |                       |
| RCM Analysis:                                       |         | Scheduled: N  | Sit Reqs:         |              | Qty: 4              | Removal Required: YES |
| Lvl of Maint: 1                                     | Freq: 0 | Equip/Task: 1 | Matl Cost: 12,500 | ManDays: 104 | Alt No:             |                       |
| Referenced Authority:                               |         | Repair Pool:  |                   | MCC: 2       |                     |                       |

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| Reason:  | Problem Description:                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-54221-017)PURIFIER REQUIRES REPAIR | REPAIR THE JP-5 PURIFIER PER CONDITION ASSESSMENT RECOMMENDATIONS. DRAIN OIL. REMOVE AND DISASSEMBLE THE PURIFIER CONSISTING OF THE FOLLOWING ASSEMBLIES: BOWL, BRAKE, COVER, SPEED INDICATOR, BOWL SPINDLE, WORM WHEEL AND DRIVE. CLEAN AND INSPECT COMPONENTS FOR WEAR OR DEFECTS. REPLACE ALL PARTS FOUND TO BE DEFECTIVE. BALANCE THE BOWL ASSEMBLY. REPLACE BEARINGS, SLEEVES, COLLARS, SPRINGS, RETAINING RINGS, GASKETS, SEALS AND O-RINGS. REASSEMBLE AND INSTALL PURIFIER. REFILL SUMP WITH CLEAN LUBE OIL. REALIGN MOTOR TO PURIFIER. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-54221-023- -JP5 PURIFIER MOT-RWND |  |              |  | MJC: EXECJC15 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,446 |  | ManDays: 31       |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                        |
| BASELINE | (Q-54221-023)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE JP-5 PURIFIER ELECTRIC MOTOR IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                       |  |              |  |               |  |                |  |                   |  |         |  |
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| Task/Abbreviation: Q-54221-024- -JP5 PURIFIER MOT-RPR |  |              |  | MJC: EXECJC16 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 396 |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                     |
| BASELINE | (Q-54221-024)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE JP-5 PURIFIER ELECTRIC MOTOR IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-54221-025- -JP5 PURIFIER MOT BRG-REPL |  |              |  | MJC: EXECJC17 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 198 |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                      |
| BASELINE | (Q-54221-025)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE JP-5 PURIFIER ELECTRIC MOTOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-54221-026- -JP5 PMP MOT-RWND |         |               | MJC: EXECJC18    |             | Rev Date: |                   |
| RCM Analysis:                                     |         | Scheduled: N  | Sit Reqs:        |             | Qty: 4    | Removal Required: |
| Lvl of Maint: 1                                   | Freq: 0 | Equip/Task: 1 | Matl Cost: 2,640 | ManDays: 50 | Alt No:   |                   |
| Referenced Authority:                             |         | Repair Pool:  | MCC: 3           |             |           |                   |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                       |
| BASELINE | (Q-54221-026)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE JP-5 PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-54221-027- -JP5 PMP MOT-RPR |  |              |  | MJC: EXECJC19 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                    |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 10        |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                  |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 480 |  | ManDays: 30       |  | Alt No: |  |
| Referenced Authority:                            |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                    |
| BASELINE | (Q-54221-027)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE JP-5 PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-54221-028- -JP5 PMP MOT BRG-REPL |  |              |  | MJC: EXECJC20 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 10        |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 240 |  | ManDays: 6        |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                         |
| BASELINE | (Q-54221-028)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE ELECTRIC MOTOR OF THE JP-5 PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-54221-035- -JP5 PMP MECH SEAL - REPL |  |              |  | MJC: EXECJDX3 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                           |  | Freq: 0      |  | Equip/Task: 2 |  | Matl Cost: 580 |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                         |
| BASELINE | (Q-54221-035)PUMP SEAL REQUIRES REPLACEMENT | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-54221-037- -JP5 PMP RT ASSY - RPR |              |               | MJC: EXECJDX5  |                   | Rev Date: 3/7/2006 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 875 | ManDays: 20       | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-54221-037)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS.<br>RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION<br>ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO<br>REQUIRED TOTAL INDICATOR READING (TIR). REPLACE SHAFT<br>SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE<br>IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY<br>BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW<br>GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD<br>POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO<br>PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL<br>TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-54221-038- -JP5 PMP MECH SEAL - REPL |  |              |  | MJC: EXECJDX6 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 580 |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                               |
| BASELINE | (Q-54221-038)PUMP SEAL REQUIRES REPLACEMENT | REPLACE THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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|------------------------------------------------------------|--|--------------|--|---------------|--|--------------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-54221-039- -JP5 PMP WEAR RINGS - REPL |  |              |  | MJC: EXECJDX7 |  | Rev Date: 3/7/2006 |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 875     |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-54221-039)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING. DISASSEMBLE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-54221-040- -JP5 PMP RT ASSY - RPR |              |               | MJC: EXECJDX8  |                   | Rev Date: 3/7/2006 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 875 | ManDays: 20       | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-54221-040)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS.<br>RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION<br>ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO<br>REQUIRED TOTAL INDICATOR READING (TIR). REPLACE SHAFT<br>SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE<br>IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY<br>BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW<br>GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD<br>POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO<br>PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL<br>TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-54221-041- -JP5 PMP (CC) MECH SEAL - REPL |         | MJC: EXECJDX9 |                | Rev Date:  |                   |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required: |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 580 | ManDays: 4 | Alt No:           |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 2         |            |                   |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                |
| BASELINE | (Q-54221-041)PUMP SEAL REQUIRES REPLACEMENT | REPLACE THE CENTRIFUGAL JP-5 PUMP (CLOSE COUPLED) MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

|                                                                 |  |              |  |               |  |                  |  |                   |  |         |  |
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| Task/Abbreviation: Q-54221-042- -JP5 PMP (CC) WEAR RINGS - REPL |  |              |  | MJC: EXECJDY0 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,173 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-54221-042)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. DISASSEMBLE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-54221-043- -JP5 PMP (CC) ASSY - RPR |  |              |  | MJC: EXECJDY1 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 875 |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-54221-043)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE<br>ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TOTAL INDICATOR READING (TIR).<br>REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR<br>COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS<br>AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY.<br>REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS,<br>AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND<br>RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A<br>SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR<br>GUIDANCE IN DEVELOPING SPEC. |



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| Task/Abbreviation: Q-54221-045- -JP5 PMP WEAR RINGS - REPL |  |              |  | MJC: EXECJDY3 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,175 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-54221-045)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-54221-046- -JP5 PMP RT ASSY - RPR |              |               | MJC: EXECJDY4  |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 875 | ManDays: 20       | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-54221-046)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE<br>ROTATING ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST.<br>NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-54221-047- -JP5 PMP ROTOR ASSY - REPL |  |              |  | MJC: EXECJDY5 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 2 |  | Matl Cost: 1,875 |  | ManDays: 20       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-54221-047)PUMP ROTOR AND LINER SLEEVE<br>REQUIRES REPLACEMENT | REPLACE THE ROTARY/VANE JP-5 PUMP ROTOR ASSY AND LINER<br>SLEEVE. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,<br>PACKING, MECHANICAL SEALS, LOCKNUTS, LOCKWASHERS, O<br>RINGS & KEYS. RECORD POST-REPAIR CLEARANCES & RUNOUTS.<br>ALIGN DRIVER & PUMP TO REDUCTION GEAR UNIT. ACCOMPLISH A<br>SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-54221-048- -JP5 PMP HEAD ASSY - REPL |              |               | MJC: EXECJDY6  |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 2 | Matl Cost: 425 | ManDays: 4        | Alt No:   |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-54221-048)PUMP HEAD ASSEMBLY REQUIRES REPLACEMENT | REPLACE THE ROTARY/VANE JP-5 PUMP HEAD ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, PACKING, MECHANICAL SEALS, LOCKNUTS, LOCKWASHERS, O RINGS & KEYS. RECORD POST-REPAIR CLEARANCES & RUNOUTS. ALIGN DRIVER & PUMP TO REDUCTION GEAR UNIT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-54221-049- -JP5 PMP VANES - REPL |  |              |  | MJC: EXECJDY7 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 2 |  | Matl Cost: 1,200 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-54221-049)PUMP ROTOR SLEEVE, RODS AND VANES REQUIRE REPLACEMENT | REPLACE THE ROTARY/VANE JP-5 PUMP ROTOR SLEEVE, RODS AND VANES. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, PACKING, MECHANICAL SEALS, LOCKNUTS, LOCKWASHERS, O RINGS & KEYS. RECORD POST-REPAIR CLEARANCES & RUNOUTS. ALIGN DRIVER & PUMP TO REDUCTION GEAR UNIT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-54221-050- -JP5 PMP CPLG - REPL |  |                                                 |  | MJC: EXECJDY8 |  | Rev Date:                                                                                                                                                                                 |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N                                    |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                    |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0                                         |  | Equip/Task: 2 |  | Matl Cost: 793                                                                                                                                                                            |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                |  |                                                 |  | Repair Pool:  |  |                                                                                                                                                                                           |  | MCC: 2            |  |         |  |
| Reason:                                              |  | Problem Description:                            |  |               |  | Recommended Solution:                                                                                                                                                                     |  |                   |  |         |  |
| BASELINE                                             |  | (Q-54221-050)PUMP COUPLING REQUIRES REPLACEMENT |  |               |  | REPLACE THE ROTARY/VANE JP-5 PUMP COUPLINGS AS REQUIRED. RECORD POST-REPAIR CLEARANCES & RUNOUTS. ALIGN DRIVER & PUMP TO REDUCTION GEAR UNIT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| <b>Task/Abbreviation:</b> Q-54221-052- -JP5 RTRY VANE PMP - REPL |  |                                        |  | <b>MJC:</b> EXECJDZ0 |  | <b>Rev Date:</b> 8/6/2008                                                               |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N                    |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0                         |  | <b>Equip/Task:</b> 2 |  | <b>Matl Cost:</b> 23,577                                                                |  | <b>ManDays:</b> 14       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                                        |  | <b>Repair Pool:</b>  |  |                                                                                         |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                   |  | <b>Problem Description:</b>            |  |                      |  | <b>Recommended Solution:</b>                                                            |  |                          |  |                |  |
| BASELINE                                                         |  | (Q-54221-052)PUMP REQUIRES REPLACEMENT |  |                      |  | ALIGN DRIVER & PUMP TO REDUCTION GEAR UNIT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                          |  |                |  |

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| Task/Abbreviation: I-54221-061- -JP5 STR PMP/SYS - MRC G1K5 |              |               | MJC: EXECIA76 |                   | Rev Date: 5/2/2008 |
| RCM Analysis: 7/12/2004                                     | Scheduled: N | Sit Reqs:     | Qty: 0        | Removal Required: |                    |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 0 | Matl Cost:    | ManDays: 1        | Alt No:            |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-54221-061)THE JP-5 STRIPPING PUMP AND STRIPPING SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE JP-5 STRIPPING PUMP AND STRIPPING SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC G1K5 AS FOLLOWS: 1. INSPECT JP-5 STRIPPING PUMP. 2. TEST OPERATION OF JP-5 STRIPPING SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-54221-064- -JP5 XFR PMP/SYS - MRC G1K6 |  |              | MJC: EXECIA79 |               | Rev Date: 10/23/2009 |            |                   |            |         |  |
| RCM Analysis: 12/5/2005                                     |  | Scheduled: N |               | Sit Reqs:     |                      | Qty: 9     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                             |  | Freq: 0      |               | Equip/Task: 1 |                      | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                       |  |              |               | Repair Pool:  |                      |            | MCC: 2            |            |         |  |

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| Reason:  | Problem Description:                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-54221-064)THE JP-5 TRANSFER PUMP AND TRANSFER SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE JP-5 TRANSFER PUMP AND TRANSFER SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC G1K6 AS FOLLOWS: 1. INSPECT JP-5 TRANSFER PUMP. 2. TEST OPERATION OF JP-5 TRANSFER SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-54221-066- -JP5 PURIFIER/SYS - MRC G1K7 |              |               | MJC: EXECIA81 |                   | Rev Date: 7/21/2005 |
| RCM Analysis: 7/12/2004                                      | Scheduled: N | Sit Reqs:     | Qty: 9        | Removal Required: |                     |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-54221-066)THE JP-5 PURIFIER AND JP-5 PURIFICATION SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE JP-5 PURIFIER AND JP-5 PURIFICATION SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC G1K7 AS FOLLOWS: 1. INSPECT JP-5 PURIFIER. 2. TEST OPERATION OF JP-5 PURIFICATION SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-54221-074- -PMP/PUR VIB TST - MRC G1P1 |              |               | MJC: EXECIGI3 |                   | Rev Date: 4/28/2006 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-54221-074)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-54221-079- -JP5 PURIFIER CRIT HOSE - REPL           |           |               | MJC: EXECQCR7    |            | Rev Date: 12/15/2009 |                   |
| RCM Analysis:                                                            |           | Scheduled: Y  | Sit Reqs:        |            | Qty:                 | Removal Required: |
| Lvl of Maint: 2                                                          | Freq: 144 | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 4 | Alt No:              |                   |
| Referenced Authority:                                                    |           | Repair Pool:  |                  | MCC: 2     |                      |                   |
| NAVSEA S6430-AE-TED-010 NAVSEA CWP CRIT HOSE REPL PROG GC:700020,MA:2265 |           |               |                  |            |                      |                   |

| Reason:  | Problem Description:                                                                                                                                                                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| BASELINE | (Q-54221-079) THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE JP-5 PURIFIER CRITICAL FLEXIBLE HOSE ASSEMBLY REQUIRES REPLACEMENT AS REQUIRED BY THE NAVSEA CUMBERSOME WORK PRACTICES (CWP) CRITICAL HOSE REPLACEMENT PROGRAM. | REPLACE THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE JP-5 PURIFIER CRITICAL FLEXIBLE HOSE ASSEMBLY IN ACCORDANCE WITH NAVSEA S6430-AE-TED-010 AS FOLLOWS: A). REMOVE EXISTING FLEXIBLE HOSE ASSEMBLY. B). FABRICATE REPLACEMENT FLEXIBLE HOSE ASSEMBLY UTILIZING TEMPLATE SIZE AND CONFIGURATION FROM EXISTING SHIPBOARD CONDITIONS. C). REUSE EXISTING FITTINGS IF SERVICEABLE OR PROVIDE NEW FITTINGS. D). ACCOMPLISH A HYDROSTATIC TEST OF THE REPLACEMENT SYNTHETIC RUBBER FLEXIBLE HOSE ASSEMBLY. E). INSTALL A NEW IDENTIFICATION TAG. F). INSTALL THE REPLACEMENT CRITICAL FLEXIBLE HOSE ASSEMBLY. G). ACCOMPLISH AN OPERATIONAL TEST AT SYSTEM OPERATING PRESSURE. |

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| Task/Abbreviation: I-54231-001- -MOGAS PMP - INSP |         |               |            | MJC: EXECI206 |            | Rev Date: 1/2/2007   |  |
| RCM Analysis:                                     |         | Scheduled: N  | Sit Reqs:  |               | Qty: 2     | Removal Required: NO |  |
| Lvl of Maint: 3                                   | Freq: 0 | Equip/Task: 1 | Matl Cost: |               | ManDays: 4 | Alt No:              |  |
| Referenced Authority:                             |         | Repair Pool:  |            | MCC: 2        |            |                      |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-54231-001)THE MOGAS PUMP REQUIRES INSPECTION | INSPECT AND TEST THE PUMP. REPORT CONDITIONS FOUND TO SHIP'S CSMP TO INCLUDE THE FOLLOWING, AS APPLICABLE: A. ALARM AND SAFETY DEVICES. B. OPERATIONAL TESTS. C. ELECTRICAL INSULATION RESISTANCE TEST. D. ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. E. RESILIENT MOUNTS AS APPLICABLE. F. VIBRATION ANALYSIS SURVEY. G. CONDUCT FLOW TEST. REPORT ANY NEW WORK REQUIRED ON A SEPARATE JOB. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-54231-002- -MOGAS PMP - RPR |              |               | MJC: EXECQ704    |                      | Rev Date: 9/7/2006 |
| RCM Analysis:                                    | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: NO |                    |
| Lvl of Maint: 1                                  | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 25          | Alt No:            |
| Referenced Authority:                            |              | Repair Pool:  | MCC: 3           |                      |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-54231-002)PUMP REQUIRES REPAIR | OPEN THE PUMP CASING. DISCONNECT COUPLING AND REMOVE THE ROTATING ELEMENT IN PLACE. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** Q-54231-003- -MOGAS PMP - RPR**MJC:** EXECQ705**Rev Date:** 9/7/2006**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 2,250**ManDays:** 50**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-54231-003)PUMP REQUIRES REPAIR

DISCONNECT THE PUMP COUPLING. OPEN PUMP CASING. CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. ACCOMPLISH NDT OF PUMP SHAFT, SHAFT SLEEVE AND SHAFT SPACER SLEEVE. B. RESURFACE AND MACHINE SHAFT JOURNALS. C. REPLACE PUMP SHAFT. D. REPLACE PUMP SHAFT SLEEVES. E. REPLACE PUMP SHAFT SPACER SLEEVES. F. REPLACE IMPELLER(S) (OEM OR COMPOSITE). G. MACHINE IMPELLER(S) TO REQUIRED DIMENSIONS AND FIT KEY. H. MACHINE AND FIT WEARING RINGS. I. REPLACE WEARING RINGS. J. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. K. REPLACE STAGE PIECE(S). L. REPAIR CASING AND BEARING HOUSINGS USING WELD/AUTHORIZED COATING SYSTEM. M. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. N. REPLACE COUPLING. O. CONDUCT A VIBRATION TEST. P. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS,AND PACKING/MECHANICAL SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ALIGN DRIVER TO PUMP. ACCOMPLISH SATISFACTORY SHOP AND OPERATIONAL TESTS.

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| Task/Abbreviation: Q-54231-016- -MOGAS PMP MOT-RWND |  |              |  | MJC: EXECJB76 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 456 |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                |
| BASELINE | (Q-54231-016)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE MOGAS SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-54231-017- -MOGAS PMP MOT-RPR |  |              |  | MJC: EXECJB77 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 180 |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  |  | Problem Description:                                |  | Recommended Solution:                                                                                                                                                                                                             |  |
| BASELINE |  | (Q-54231-017)ELECTRIC MOTOR REQUIRES RECONDITIONING |  | RECONDITION THE ELECTRIC MOTOR OF THE MOGAS SERVICE PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |  |

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| Task/Abbreviation: Q-54231-018- -MOGAS PMP MOT BRG-REPL |  |              |  | MJC: EXECJB78 |  | Rev Date:     |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2        |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 90 |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |               |  | MCC: 3            |  |         |  |

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| Reason:  |  | Problem Description:                                     |  | Recommended Solution:                                                                                                                                  |  |
| BASELINE |  | (Q-54231-018)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT |  | DISASSEMBLE THE ELECTRIC MOTOR OF THE MOGAS SERVICE PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |

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| Task/Abbreviation: Q-54231-019- -MOGAS PMP MECH SEAL - REPL |  |                                             |  | MJC: EXECJDZ7 |  | Rev Date:                                                                                                                                                                                                     |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N                                |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                        |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0                                     |  | Equip/Task: 1 |  | Matl Cost: 575                                                                                                                                                                                                |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                       |  |                                             |  | Repair Pool:  |  |                                                                                                                                                                                                               |  | MCC: 3            |  |         |  |
| Reason:                                                     |  | Problem Description:                        |  |               |  | Recommended Solution:                                                                                                                                                                                         |  |                   |  |         |  |
| BASELINE                                                    |  | (Q-54231-019)PUMP SEAL REQUIRES REPLACEMENT |  |               |  | REPLACE, IN-PLACE, THE PUMP MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST |  |                   |  |         |  |

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| Task/Abbreviation: Q-54231-020- -MOGAS PMP WEAR RINGS - REPL |  |              |  | MJC: EXECJDZ8 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,200 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-54231-020)PUMP WEARING RING REQUIRES REPLACEMENT | REMOVE THE PUMP SUCTION CASING IN PLACE. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-54231-021- -MOGAS PMP RT ASSY - RPR |              |               | MJC: EXECJDZ9  |                   | Rev Date: 5/8/2008 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20       | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-54231-021)PUMP ROTATING ASSEMBLY<br>REQUIRES REPAIR | REMOVE THE PUMP SUCTION CASING. REMOVE ROTATING<br>ASSEMBLY TO SHOP. REMOVE, CLEAN AND INSPECT ALL<br>COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER<br>CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN<br>MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE.<br>REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER<br>TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE<br>ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS,<br>BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-<br>REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP<br>ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> I-55111-004- -HPAC IMD DEW POINT - MRC F3VX |  |                     |  | <b>MJC:</b> EXECI214 |  | <b>Rev Date:</b> 5/5/2011 |  |                             |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> NO |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 10          |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3               |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                   | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE       | (I-55111-004)THE HIGH PRESSURE AIR SYSTEM REQUIRES INSPECTION | INSPECT AND TEST THE HIGH PRESSURE AIR SYSTEM. DETECT LEAKS USING SOAP TEST METHOD. TEST, ADJUST AND SET THE OPERATION OF CONTROLS, INCLUDING SOLENOIDS, CUT-OUT SWITCHES AND THERMOSTATS. ACCOMPLISH MINOR REPAIRS TO CONTROLS, PIPING AND VALVES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-55111-008- -HP AIR SYS - RPR |              |               | MJC: WxecQ001  |                      | Rev Date: 4/29/1999 |
| RCM Analysis:                                     | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: NO |                     |
| Lvl of Maint: 1                                   | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10          | Alt No:             |
| Referenced Authority:                             |              | Repair Pool:  | MCC: 3         |                      |                     |

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| Reason:  | Problem Description:                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-55111-008)HP AIR SYSTEM REQUIRES REPAIR | REPAIR THE HIGH PRESSURE AIR SYSTEM BASED ON CONDITION ASSESSMENT. DETECT LEAKS USING PRESSURE DROP TEST FOLLOWED BY SOAP TEST METHOD. TEST, ADJUST AND SET THE OPERATION OF CONTROLS, INCLUDING SOLENOIDS, CUT-OUT SWITCHES AND THERMOSTATS. ACCOMPLISH MINOR REPAIRS TO CONTROLS, PIPING AND VALVES. CUTOUT AND WELD REPAIR DESIGNATED PIPING AND COMPONENTS. SHOP REPAIR/REPLACE DESIGNATED VALVES, SWITCHES AND CONTROLS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. |

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| Task/Abbreviation: Q-55111-017- -HP AIR DYHR (VALVES) - RPR |  |              |  | MJC: EXECJAF6 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 547 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:               | Recommended Solution:                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-55111-017)VALVE REQUIRES REPAIR | REPAIR THE DESICCANT-TYPE HIGH PRESSURE DEHYDRATOR. TEST ADJUST AND SET THE OPERATION OF ALL CONTROLS, INCLUDING COMPRESSOR SOLENOIDS, CUT-OUT SWITCHES AND THERMOSTATS. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. A. REPAIR REDUCER AND SOLENOID VALVES. B. CONDUCT OPERATIONAL TEST. |



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| Task/Abbreviation: Q-55111-019- -HP AIR DYHR (GAUGES) - RPR |  |              |  | MJC: EXECJAF8 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 256 |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-55111-019)METERS, GAUGES AND ALARM SWITCHES REQUIRE CALIBRATION AND ADJUSTMENT | REPAIR THE DESICCANT-TYPE HIGH PRESSURE DEHYDRATOR. TEST ADJUST AND SET THE OPERATION OF ALL CONTROLS, INCLUDING COMPRESSOR SOLENOIDS, CUT-OUT SWITCHES AND THERMOSTATS. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. A. CALIBRATE AND ADJUST METERS, GAUGES, AND ALARM SWITCHES. B. CONDUCT OPERATIONAL TEST. |

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| Task/Abbreviation: Q-55111-020- -HP AIR DYHR (SEALS) - REPL |  |              |  | MJC: EXECJAF9 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 187 |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                   | Recommended Solution:                                                                                                                                                                                                                                                               |
| BASELINE | (Q-55111-020)SEAL REQUIRES REPLACEMENT | REPAIR THE DESICCANT-TYPE HIGH PRESSURE DEHYDRATOR. TEST ADJUST AND SET THE OPERATION OF ALL CONTROLS, INCLUDING COMPRESSOR SOLENOIDS, CUT-OUT SWITCHES AND THERMOSTATS. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. A. REPLACE SEALS AND GASKETS. B. CONDUCT OPERATIONAL TEST. |

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| Task/Abbreviation: Q-55111-022- -HP AIR SYS (SEALS)- REPL |  |                                        |  | MJC: EXECJAL7 |  | Rev Date:                                                                                                                    |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N                           |  | Sit Reqs:     |  | Qty: 1                                                                                                                       |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0                                |  | Equip/Task: 1 |  | Matl Cost: 156                                                                                                               |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                     |  |                                        |  | Repair Pool:  |  |                                                                                                                              |  | MCC: 3            |  |         |  |
| Reason:                                                   |  | Problem Description:                   |  |               |  | Recommended Solution:                                                                                                        |  |                   |  |         |  |
| BASELINE                                                  |  | (Q-55111-022)SEAL REQUIRES REPLACEMENT |  |               |  | REPLACE THE HIGH PRESSURE AIR SYSTEM O-RING SEALS.<br>DETECT LEAKS USING FIRST PRESSURE DROP TEST, THEN SOAP<br>TEST METHOD. |  |                   |  |         |  |

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| <b>Task/Abbreviation:</b> Q-55111-023- -HP AIR SYS (RDCR VLV)- RPR |  |                                             |  | <b>MJC:</b> EXECJAL8 |  | <b>Rev Date:</b>                                                                                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                                                                                                          |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 375                                                                                                                  |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                        |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                     |  | <b>Problem Description:</b>                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                           |  |                          |  |                |  |
| BASELINE                                                           |  | (Q-55111-023)REDUCING VALVE REQUIRES REPAIR |  |                      |  | REPAIR THE HIGH PRESSURE AIR SYSTEM REDUCING VALVE (MAROTTA TYPE). DETECT LEAKS USING FIRST PRESSURE DROP TEST, THEN SOAP TEST METHOD. |  |                          |  |                |  |

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| Task/Abbreviation: I-55111-033- -HPAD (DRESSER-RAND) - MRC C7EU |  |              | MJC: EXECIA97 |               | Rev Date: 12/12/2007 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                          |  | Scheduled: N |               | Sit Reqs:     |                      | Qty: 0     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                 |  | Freq: 0      |               | Equip/Task: 0 |                      | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                           |  |              | Repair Pool:  |               |                      | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (I-55111-033)THE DRESSER-RAND INTER-STAGE MEMBRANE DEHYDRATOR (IMD) REQUIRES ASSESSMENT. | ACCOMPLISH THE DRESSER-RAND INTER-STAGE MEMBRANE DEHYDRATOR (IMD) ASSESSMENT IN ACCORDANCE WITH MRC C7EU AS FOLLOWS: 1. TEST DRESSER-RAND INTER-STAGE MEMBRANE DEHYDRATOR (IMD) FROST-POINT AT OUTLET OF COMPRESSOR. REPORT CONDITIONS FOUND TO SHIP"S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: D-55111-041- -SHIPALT LHA1-01184D - ACCOMP |              |               | MJC: EXSAD476    |                   | Rev Date: 9/9/2005    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,000 | ManDays: 60       | Alt No: SALHA 01184 D |
| Referenced Authority:                                         | Repair Pool: | MCC: 3        |                  |                   |                       |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                           |
| BASELINE | (D-55111-41) SHIPALT LHA1-01184D, INSTALL LP AIR FLASKS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01184D WHICH INSTALLS LP AIR FLASKS IN CHT PUMP ROOMS EQUIPPED WITH EDDY MODEL CC3000 CHT PUMPS WHICH ENABLES THE SHIP'S FORCE TO PUMP CHT TANKS IN THE EVENT SHIP SERVICE AIR IS LOST. |

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| Task/Abbreviation: I-55121-001- -(M)LP AIR RCVR - CERT |              |               | MJC: EXECM130    |                      | Rev Date: 10/21/2008 |
| RCM Analysis:                                          | Scheduled: Y | Sit Reqs:     | Qty: 13          | Removal Required: NO |                      |
| Lvl of Maint: 1                                        | Freq: 120    | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 30          | Alt No:              |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3           |                      |                      |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-55121-001)NSTM REQUIREMENT DUE | IAW NSTM CH-551, PARA. 551-1.5.5, OPEN, CLEAN, INSPECT, RECERTIFY AND PRESERVE THE LOW PRESSURE AIR RECEIVERS. RECERTIFICATION SHALL BE BY EITHER ULTRASONIC AND MAGNETIC PARTICLE OR HYDROSTATIC TEST. INSPECT THE EXTERIOR AND INTERIOR SURFACES FOR PITTING, DEFECTS AND DEFORMATION. WELD REPAIR PITTED AREAS BELOW ALLOWABLE MINIMUM WALL THICKNESS. PREPARE, PRIME AND PAINT INTERIOR AND EXTERIOR SURFACES. REINSTALL ACCESS COVERS USING NEW GASKETS. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, ATTACH NEW TEST LABEL PLATES AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-55131-018- -MEAS INLET AIR MOIST-MRC B6JG |              |               | MJC: EXECIAB8 |                   | Rev Date: 5/22/2008 |
| RCM Analysis: 8/21/2006                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-55131-018)THE DRY AIR INLET AIR MOISTURE CONTENT REQUIRES MEASUREMENT. | MEASURE THE DRY AIR INLET AIR MOISTURE CONTENT IN ACCORDANCE WITH MRC B6JG AS FOLLOWS: 1. MEASURE INLET AIR MOISTURE CONTENT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: Q-55151-002- -HP AIR COMPR - RPR |              |               | MJC: EXECQ770    |                       | Rev Date: |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: YES |           |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 6,210 | ManDays: 138          | Alt No:   |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 2           |                       |           |

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| Reason:  | Problem Description:                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-55151-002)COMPRESSOR REQUIRES REPAIR | DISASSEMBLE THE HP AIR COMPRESSOR (DRESSER-RAND) FOR EXAMINATION. MEASURE AND RECORD AS FOUND AND POST-REPAIRS DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NON-DESTRUCTIVE TESTING OF CONNECTING RODS, CRANKSHAFT AND PISTON ASSEMBLIES. REPORT CONDITIONS FOUND TO THE NAVAL SUPERVISING ACTIVITY (NSA). ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW GASKETS AND SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO COMPRESSOR. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND GRIND CRANKSHAFT JOURNALS. B. REPLACE CRANKSHAFT, CRANKSHAFT BEARINGS, CRANKPIN BEARING INSERTS, PISTON RING SETS. C. REPLACE OR REBUSH WRIST PINS. D. RESURFACE VALVE PLATES AND REPLACE VALVE STRIPS. E. HONE CYLINDERS. F. REPAIR UNLOADER ASSEMBLY. G. REPAIR LUBE OIL PUMP ASSEMBLY. H. FLUSH/CLEAN SEAWATER/JACKETWATER COOLANT SYSTEM, I. CALIBRATE GAGUES, SWITCHES, THERMOMETERS, INSTRUMENTS AND RELIEF VALVES, USE SWT 551-51 FOR GUIDANCE. |

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| Task/Abbreviation: Q-55151-005- -HP AIR COMPR CLRS - RPR |              |               | MJC: EXECQ769    |                      | Rev Date: |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: NO |           |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 25          | Alt No:   |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2           |                      |           |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-55151-005)COOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE INTER AND AFTER COOLERS OF THE HIGH PRESSURE AIR COMPRESSOR PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE WATER BOXES FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FORM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O -RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE COOLER TUBES. B. REPLACE COOLER ZINCS. C. REMOVE INTER AND AFTER COOLERS TO SHOP FOR REPAIRS. |

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| Task/Abbreviation: Q-55151-025- -HP AIR COMPR MOT-RWND |  |                                                |  | MJC: EXECJC21 |  | Rev Date:                                                                                                                                                                     |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N                                   |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                        |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0                                        |  | Equip/Task: 1 |  | Matl Cost: 1,650                                                                                                                                                              |  | ManDays: 36       |  | Alt No: |  |
| Referenced Authority:                                  |  |                                                |  | Repair Pool:  |  |                                                                                                                                                                               |  | MCC: 3            |  |         |  |
| Reason:                                                |  | Problem Description:                           |  |               |  | Recommended Solution:                                                                                                                                                         |  |                   |  |         |  |
| BASELINE                                               |  | (Q-55151-025)ELECTRIC MOTOR REQUIRES REWINDING |  |               |  | REWIND THE HIGH PRESSURE AIR COMPRESSOR ELECTRIC MOTOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-55151-026- -HP AIR COMPR MOT-RPR |  |              |  | MJC: EXECJC22 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 400 |  | ManDays: 22       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                      |
| BASELINE | (Q-55151-026)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE HIGH PRESSURE AIR COMPRESSOR ELECTRIC MOTOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-55151-027- -HP AIR COMPR MOT BRG-REPL |  |              |  | MJC: EXECJC23 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 210 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                           |
| BASELINE | (Q-55151-027)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE HIGH PRESSURE AIR COMPRESSOR ELECTRIC MOTOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-55151-028- -HP AIR COMPR (AIR END) - RPR |         |               |                  | MJC: EXECJAH7 |         | Rev Date:         |  |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:        |               | Qty: 2  | Removal Required: |  |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,850 | ManDays: 40   | Alt No: |                   |  |
| Referenced Authority:                                         |         | Repair Pool:  |                  | MCC: 2        |         |                   |  |

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| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-55151-028)AIR END OF HIGH PRESSURE AIR COMPRESSOR REQUIRES REPAIR | DISASSEMBLE, IN PLACE, THE HP AIR COMPRESSOR (DRESSER-RAND) AIR END ONLY FOR EXAMINATION. MEASURE AND RECORD AS FOUND AND POST-REPAIRS DIMENSIONS, CLEARANCES AND RUNOUTS. REPORT CONDITIONS FOUND TO THE NAVAL SUPERVISING ACTIVITY (NSA). ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW GASKETS AND SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE VALVE PLATES AND REPLACE VALVE STRIPS. B. HONE CYLINDERS. C. REPAIR UNLOADER ASSEMBLY. D. REPAIR HEAD ASSEMBLIES. USE SWT 551-51 FOR GUIDANCE. |

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| Task/Abbreviation: Q-55151-029- -HP AIR COMPR (BOA) - RPR |              |               | MJC: EXECJAH8  |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 695 | ManDays: 14       | Alt No:   |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-55151-029)HIGH PRESSURE AIR COMPRESSOR REQUIRES REPAIR | REMOVE HP AIR COMPRESSOR (DRESSER-RAND) FROM THE SHIP AND DELIVER TO OEM BOA REBUILD FACILITY UNDER CONTRACT (BOA) N00104-96-G-A012. RECORD AS FOUND AND POST REPAIR CONDITIONS. REPORT CONDITIONS FOUND TO NAVAL SUPERVISING ACTIVITY (NSA). ON COMPLETION OF REPAIRS INSTALL UNIT USING NEW GASKETS AND SEALS. REPLACE MISSING AND/OR UNSERVICABLE FASTENERS. ALIGN ELECTRIC MOTOR TO COMPRESSOR. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-55151-065- -HPAC VIB TST - MRC G1P1 |              |               | MJC: EXECIGI5 |                   | Rev Date: 4/28/2006 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-55151-065)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: Q-55153-002- -LP AIR COMPR - RPR |              |               | MJC: EXECQ774    |                       | Rev Date: |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 3           | Removal Required: YES |           |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,950 | ManDays: 110          | Alt No:   |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 3           |                       |           |

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| Reason:  | Problem Description:                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-55153-002)COMPRESSOR REQUIRES REPAIR | DISASSEMBLE THE LOW PRESSURE AIR COMPRESSOR (RECIPROCATING) FOR EXAMINATION. MEASURE AND RECORD AS-FOUND AND POST-REPAIRS DIMENSIONS, CLEARANCES AND RUNOUTS. ACCOMPLISH NON-DESTRUCTIVE TESTING OF CONNECTING RODS, CRANKSHAFT AND PISTON ASSEMBLIES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW GASKETS AND SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO COMPRESSOR. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND GRIND CRANKSHAFT JOURNALS. B. REPLACE CRANKSHAFT, CRANKSHAFT BEARINGS, CRANKPIN BEARING INSERTS, PISTON RING SETS. C. REPLACE OR REBUSH WRIST PINS. D. RESURFACE VALVE PLATES AND REPLACE VALVE STRIPS. E. HONE CYLINDERS. F. REPAIR UNLOADER ASSEMBLY. G. REPAIR LUBE OIL PUMP ASSEMBLY. |

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| Task/Abbreviation: Q-55153-007- -LP AIR COMPR CLRS - INSP/RPR |         |               | MJC: EXECQ778    |             | Rev Date: |                      |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:        |             | Qty: 3    | Removal Required: NO |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 25 | Alt No:   |                      |
| Referenced Authority:                                         |         | Repair Pool:  |                  | MCC: 3      |           |                      |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-55153-007)INTER AND AFTERCOOLER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE INTER AND AFTER COOLERS OF THE LP AIR COMPRESSOR PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE WATER BOXES FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. SUBMIT A REPORT OFCONDITIONS FOUND TO THE SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O-RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REPLACE COOLER TUBES. B. REPLACE COOLER ZINCS. C. REMOVE INTER AND AFTER COOLERS TO SHOP FOR REPAIRS. D. REPLACE COOLER. |

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| Task/Abbreviation: Q-55153-013- -LP AIR COMPR MOT-RWND |  |                                                |  | MJC: EXECJC03 |  | Rev Date:                                                                                                                                                                    |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N                                   |  | Sit Reqs:     |  | Qty: 3                                                                                                                                                                       |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0                                        |  | Equip/Task: 1 |  | Matl Cost: 1,740                                                                                                                                                             |  | ManDays: 38       |  | Alt No: |  |
| Referenced Authority:                                  |  |                                                |  | Repair Pool:  |  |                                                                                                                                                                              |  | MCC: 3            |  |         |  |
| Reason:                                                |  | Problem Description:                           |  |               |  | Recommended Solution:                                                                                                                                                        |  |                   |  |         |  |
| BASELINE                                               |  | (Q-55153-013)ELECTRIC MOTOR REQUIRES REWINDING |  |               |  | REWIND THE LOW PRESSURE AIR COMPRESSOR ELECTRIC MOTOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-55153-014- -LP AIR COMPR MOT-RPR |  |              |  | MJC: EXECJC04 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 420 |  | ManDays: 25       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                     |
| BASELINE | (Q-55153-014)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE LOW PRESSURE AIR COMPRESSOR ELECTRIC MOTOR IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-55153-015- -LP AIR COMPR MOT BRG-REPL |  |              |  | MJC: EXECJC05 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 210 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                          |
| BASELINE | (Q-55153-015)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT | DISASSEMBLE THE LOW PRESSURE AIR COMPRESSOR ELECTRIC MOTOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-55153-044- -LPAC VIB TST - MRC G1P1 |              |               | MJC: EXECIGI7 |                   | Rev Date: 4/28/2006 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-55153-044)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: K-55211-004- -SHIPALT LHA1-01204K - ACCOMP |         |               | MJC: EXSAK842      |              | Rev Date: 4/14/2008   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:          | Qty: 1       | Removal Required:     |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 200,000 | ManDays: 750 | Alt No: SALHA 01204 K |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2             |              |                       |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                       |
| BASELINE | (K-55211-4) SHIPALT LHA1-01204K, NITROGEN GENERATOR INSTALL, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01204K WHICH WILL UPGRADE THE EXISTING NITROGEN SYSTEM TO SUPPORT THE MV-22 ON THE LHA CLASS SHIPS. |

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| Task/Abbreviation: K-55512-019- -SHIPALT LHA1-71323K - ACCOMP |              |               | MJC: EXSAK858  |                   | Rev Date: 10/16/2008  |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 100 | ManDays: 800      | Alt No: SALHA 71323 K |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2         |                   |                       |

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| Reason:  | Problem Description:                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (K-55512-19) SHIPALT LHA1-71323K, AFFF CONTROL VALVE RELOCATION, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-71323K WHICH RELOCATES AFFF SPRINKLING CONTROL VALVES FOR MMR'S AMR, AND PUMP ROOMS TO AS CLOSE AS POSSIBLE TO THE AFFF MAIN, BUT DOWNSTREAM OF THE BRANCH CUTOUT VALVE. ADD A CONTROL VALVE IN THE BRANCH SERVING MMR AND AMR AFFF HOSE REELS. NEW CONTROL VALVE SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE AFFF MAIN, DOWNSTREAM OF THE BRANCH CUTOUT VALVE. SOPV'S FOR NEW CONTROL VALVES SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO SOPV'S SERVING SPRINKLING SYSTEMS FOR THE SAME SPACE. POC: DOUG BARYISKI, 202-781-3612, DOUGLAS.BARYLSKI@NAVY.MIL. |



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| Task/Abbreviation: K-55512-020- -SHIPALT LHA1-71420K - ACCOMP |              |               | MJC: EXSAK861  |                   | Rev Date: 11/5/2008   |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 200 | ManDays: 800      | Alt No: SALHA 71420 K |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 2         |                   |                       |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (K-55512-20) SHIPALT LHA1-71420K, AFFF H2S TREATMENT SYSTEM, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-71420K WHICH DEVELOPS AND INSTALLS A TREATMENT SYSTEM WHICH WILL SLOWLY RECIRCULATE THE AFFF SOLUTION LOOP AND ELIMINATE H2S. THE APPROACH WILL BE A THREE PART APPROACH. PHASE 1 WILL CONSIST OF A FLOW LOOP DESIGN WHICH WILL FOCUS THE MOST EFFECTIVE DISINFECTING SYSTEM. THE TWO SYSTEMS UNDER CONSIDERATION ARE A CHEMICAL SYSTEM AND A ULTRAVIOLET SYSTEM. PHASE TWO WILL CONSIST OF BUILDING A LAND BASED FLOW LOOP AND TESTING H2S CONTROL OPTIONS. PHASE 3 WILL CONSIST OF DEVELOPING A SHIPBOARD DESIGN. POC: DOUG BARYISKI, 202-781-3612, DOUGLAS.BARYLSKI@NAVY.MIL. |

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| Task/Abbreviation: Q-55611-005- -HPP UNIT CRIT HOSE - REPL               |              |               | MJC: EXECQCR8    |                   | Rev Date: 12/15/2009 |
| RCM Analysis:                                                            | Scheduled: Y | Sit Reqs:     | Qty:             | Removal Required: |                      |
| Lvl of Maint: 2                                                          | Freq: 144    | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 4        | Alt No:              |
| Referenced Authority:                                                    |              | Repair Pool:  | MCC: 2           |                   |                      |
| NAVSEA S6430-AE-TED-010 NAVSEA CWP CRIT HOSE REPL PROG GC:700020,MA:2265 |              |               |                  |                   |                      |

| Reason:  | Problem Description:                                                                                                                                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| BASELINE | (Q-55611-005) THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE HYDRAULIC POWER PACK UNIT CRITICAL FLEXIBLE HOSE ASSEMBLY REQUIRES REPLACEMENT AS REQUIRED BY THE NAVSEA CUMBERSOME WORK PRACTICES (CWP) CRITICAL HOSE REPLACEMENT PROGRAM. | REPLACE THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE HYDRAULIC POWER PACK UNIT CRITICAL FLEXIBLE HOSE ASSEMBLY IN ACCORDANCE WITH NAVSEA S6430-AE-TED-010 AS FOLLOWS: A. REMOVE EXISTING FLEXIBLE HOSE ASSEMBLY. B. FABRICATE REPLACEMENT FLEXIBLE HOSE ASSEMBLY UTILIZING TEMPLATE SIZE AND CONFIGURATION FROM EXISTING SHIPBOARD CONDITIONS. C. REUSE EXISTING FITTINGS IF SERVICEABLE OR PROVIDE NEW FITTINGS. D. ACCOMPLISH A HYDROSTATIC TEST OF THE REPLACEMENT SYNTHETIC RUBBER FLEXIBLE HOSE ASSEMBLY. E. INSTALL A NEW IDENTIFICATION TAG. F. INSTALL THE REPLACEMENT CRITICAL FLEXIBLE HOSE ASSEMBLY. G. ACCOMPLISH AN OPERATIONAL TEST AT SYSTEM OPERATING PRESSURE. |

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| Task/Abbreviation: Q-56111-004- -STRG HYDR PMP - RPR |              |               | MJC: EXECQ962    |                       | Rev Date: 4/8/2010 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 6           | Removal Required: YES |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50           | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 4           |                       |                    |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-56111-004)PUMP REQUIRES REPAIR | OPEN THE PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD AS-FOUND AND POST REPAIRS DIMENSIONS AND CLEARANCES OF CYLINDER BARRELS, SHAFT TRUNNION BLOCK, PISTONS AND VALVE PLATE. ACCOMPLISH NON-DESTRUCTIVE TESTING OF PUMP DRIVE SHAFT, CYLINDER BARRELS AND VALVE PLATE. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, "O"-RINGS AND MECHANICAL SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. LAP CYLINDER BARREL & VLV PLATE SURFACES B. RPL BRNGS (THRUST,RADIAL) CONNECTING RODS, CYLINDER BARRELS, PISTONS, SHAFT(MN), SHAFT TRUNNION BLOCK, SOCKET RING, TILTING BLOCK AND VALVE PLATE. C. ACCOMPLISH HYDRAULIC OIL SYSTEM FLUSH. |

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| Task/Abbreviation: Q-56111-005- -STRG GR RAM PACKING - REPL |  |              |  | MJC: EXECQ790 |  | Rev Date:      |  |                       |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: YES |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 900 |  | ManDays: 20           |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                |  | MCC: 4                |  |         |  |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                             |
| BASELINE | (Q-56111-005)STEERING GEAR RAM PACKING<br>REQUIRES REPLACEMENT | REPLACE THE STEERING GEAR RAM PACKING AND SPLIT WIPER<br>RINGS PER CONDITION ASSESSMENT RECOMMENDATIONS. STONE<br>AND POLISH RAMS. ACCOMPLISH A SATISFACTORY OPERATIONAL<br>TEST. |

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| <b>Task/Abbreviation:</b> A-56111-019- -AER LHA1-00399 - ACCOMP |  |                     |  | <b>MJC:</b> EXTYA225 |  | <b>Rev Date:</b> 3/7/2004 |  |                          |  |                            |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> |  |                            |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b>          |  | <b>Alt No:</b> TYLHA 00399 |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                            |  |

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| <b>Reason:</b> | <b>Problem Description:</b>              | <b>Recommended Solution:</b>                                                                                                                                                                         |
| BASELINE       | (A-56111-19) TYCOM AUTHORIZED ALTERATION | ACCOMPLISH AER LHA1-00399E "INSTALL HYDRAULIC OIL COOLERS FOR STEERING UNITS" WHICH WILL INSTALL FOUR HYDRAULIC OIL COOLERS TO REDUCE THE OPERATING TEMPERATURE OF THE PORT AND STBD STEERING UNITS. |

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| Task/Abbreviation: Q-56111-026- -STRG HYDR PMP MOT-RWND |  |              |  | MJC: EXECJ975 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 6           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                         |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,940 |  | ManDays: 54       |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:  |  |                  |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                     |
| BASELINE | (Q-56111-026)ELECTRIC MOTOR REQUIRES REWINDING | REWIND THE ELECTRIC MOTOR OF THE HYDRAULIC STEERING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-56111-027- -STRG HYDR PMP MOT - RPR |  |              |  | MJC: EXECJ976 |  | Rev Date: 3/26/2010 |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 6              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 480      |  | ManDays: 35       |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                  |
| BASELINE | (Q-56111-027)ELECTRIC MOTOR REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE HYDRAULIC STEERING PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-56111-028- -STRG HYDR PMP MOT BRG-REPL |  |                                                          |  | MJC: EXECJ977 |  | Rev Date:                                                                                                                                                   |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N                                             |  | Sit Reqs:     |  | Qty: 6                                                                                                                                                      |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0                                                  |  | Equip/Task: 1 |  | Matl Cost: 240                                                                                                                                              |  | ManDays: 7        |  | Alt No: |  |
| Referenced Authority:                                       |  |                                                          |  | Repair Pool:  |  |                                                                                                                                                             |  | MCC: 3            |  |         |  |
| Reason:                                                     |  | Problem Description:                                     |  |               |  | Recommended Solution:                                                                                                                                       |  |                   |  |         |  |
| BASELINE                                                    |  | (Q-56111-028)ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT |  |               |  | DISASSEMBLE THE ELECTRIC MOTOR OF THE HYDRAULIC STEERING PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |



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**Task/Abbreviation:** I-56111-043- -STRG MOT/CONT - MRC G2M3**MJC:** EXECICY3**Rev Date:** 7/13/2005**RCM Analysis:** 8/2/2004**Scheduled:** N**Sit Reqs:****Qty:** TBD**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-56111-043)THE STEERING SYSTEM MOTOR AND CONTROLLER REQUIRES ASSESSMENT.

ACCOMPLISH THE STEERING SYSTEM MOTOR AND CONTROLLER ASSESSMENT IN ACCORDANCE WITH MRC G2M3 AS FOLLOWS: 1. PERFORM MOTOR AND CONTROLLER INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-56111-063- -STRG COPPER STOPS - MRC C6WC |              |               | MJC: EXECIEJ7 |                   | Rev Date: 7/18/2005 |
| RCM Analysis: 8/2/2004                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-56111-063)THE STEERING SYSTEM CRUSHABLE COPPER STOPS REQUIRES ASSESSMENT. | ACCOMPLISH THE STEERING SYSTEM CRUSHABLE COPPER STOPS ASSESSMENT IN ACCORDANCE WITH MRC C6WC AS FOLLOWS: 1. INSPECT CRUSHABLE COPPER STOPS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-56111-066- -EMER STEERING SYS - MRC Y19H |              |               | MJC: EXECIFE9 |                   | Rev Date: 7/11/2005 |
| RCM Analysis: 8/2/2004                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-56111-066)THE EMERGENCY STEERING SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE EMERGENCY STEERING SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC Y19H AS FOLLOWS: 1. PERFORM EMERGENCY STEERING OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-56111-067- -STEERING ACC - MRC Y19G |  |              | MJC: EXECIFF0 |               | Rev Date: 7/11/2005 |            |                   |            |         |  |
| RCM Analysis: 2/7/2005                                   |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                          |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                    |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-56111-067)THE STEERING ACCUMULATOR SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE STEERING ACCUMULATOR SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC Y19G AS FOLLOWS: 1. TEST ACCUMULATOR PRECHARGE PRESSURE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-56111-075- -STG PMPS VIB TST - MRC G1P1 |              |               | MJC: EXECIGI8 |                   | Rev Date: 4/28/2006 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-56111-075)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-56211-001- -RUDDER STOCK - INSP/RPR**MJC:** EXECICV9**Rev Date:** 4/19/2005**RCM Analysis:** **Scheduled:** N **Sit Reqs:** D/D**Qty:** 2**Removal Required:** NO**Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 10,000 **ManDays:** 70 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 3**Reason:** **Problem Description:**

ROLLER CONTACT (I-56211-001)RUDDER REQUIRES INSPECTION AND REPAIR

**Recommended Solution:**

RPR THE RUDDER AS FOLLOWS: RMV INSPECTION PLATES FOR ACCESS TO RUDDER STOCK NUT(S). ACCOMP PRELIM AIR TEST. INSP ROLLER-CONTACT-TYPE BEARING IAW 0901-LP-430-0020, CHAPTER 244. RMV ROPE GUARDS AND REINSTALL UPON COMPLETION OF REPAIRS USING NEW FASTENERS. A. UNSHIP AND REINSTALL RUDDER IF REQUIRED (OPTIONAL). B. REPACK THE RUDDER STOCK STUFFING BOXES AND REFILL THE CAVITIES WITH LUBRICANT. C. REPL UPPER SEALS (LLTM). D. REPL LOWER SEALS (LLTM). E. PERFORM INSPECTION OF LOWER ROLLER-CONTACT-TYPE RUDDER BEARING. F. PERFORM INSPECTION OF UPPER ROLLER-CONTACT-TYPE RUDDER BEARING. G. SUBMIT RPRT OF FINDINGS FOR PARAGRAPHS E. AND F. H. CLAD WELD \_\_\_\_ SQUARE FEET OF RUDDER PLATING AS DESIGNATED AND \_\_\_\_ LINEAR FEET OF WELDED SEAMS. I. REPL \_\_\_\_ SQUARE FEET OF PLATING. J. RPR AND MACHINE BEARING HOUSING. K. RESURFACE AND MACHINE RUDDER STOCK. L. AIR TEST FOR TIGHTNESS. COAT RUDDER(S) INTERNALS. REINSTALL INSPECT PLATES. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-56211-002- -RUDDER - INSP                     |  |                                                                                  |  | MJC: EXECI365 |  | Rev Date: 8/16/2010                                                                                                                                                                                                                                                                                                                                                                                    |  |                   |  |         |  |
| RCM Analysis:                                                      |  | Scheduled: N                                                                     |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                                                                                                                                                                 |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                                    |  | Freq: 0                                                                          |  | Equip/Task: 1 |  | Matl Cost:                                                                                                                                                                                                                                                                                                                                                                                             |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                              |  |                                                                                  |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                                                                                                                                                        |  | MCC: 4            |  |         |  |
| FLEET REQUIREMENTS NSTM CHAPTER 244 PARA 244-5.4 GC:08ABKM,MA:1300 |  |                                                                                  |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                        |  |                   |  |         |  |
| Reason:                                                            |  | Problem Description:                                                             |  |               |  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                  |  |                   |  |         |  |
| BASELINE                                                           |  | (I-56211-002)THE RUDDER POST BEARING (WATERBORNE) REQUIRES CLEARANCE MEASUREMENT |  |               |  | MEASURE RUDDER POST BEARING CLEARANCES (WATERBORNE) UTILIZING THE WATERBORNE DIAL INDICATOR PROCEDURE IN NSTM S9086-HN-STM-010/CH 244, SECTION 5. REPORT CONDITIONS FOUND TO SHIP'S CSMP. NOTE: ACCOMPLISH 9-12 MONTHS PRIOR TO A DRYDOCK AVAILABILITY. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                   |  |         |  |

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|-----------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: Q-56211-015- -RUDDER - RPR |              |               | MJC: EXECQE12 |                   | Rev Date: 7/15/2010 |
| RCM Analysis:                                 | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 1                               | Freq: 0      | Equip/Task: 0 | Matl Cost:    | ManDays: 0        | Alt No:             |
| Referenced Authority:                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-56211-015)RUDDER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE RUDDER PER<br>CONDITION ASSESSMENT RECOMMENDATIONS: A. REPAIR<br>THREADED HOLES. B. REPLACE/TIGHTEN FASTENERS. C. REPLACE<br>ACCESS PLATES. D. REPLACE/TIGHTEN PLUGS. E. RESTORE<br>COATING OR REPLACE PLATE IF LOSS OF MORE THAN 25% DESIGN<br>THICKNESS. F. REPAIR PLATING. G. REPLACE RUDDER. H.<br>INSPECT FOR CRACKS AND REPAIR. I. REMOVE FOULING. J.<br>REPLACE SEAL. K. REPLACE/REPAIR STOOL/HORN. L.<br>REPLACE/REPAIR SURFACE. M. REPAIR WELDS. N. RESTORE<br>COATING. DIVERS INSPECTION REPORT AVAILABLE AT<br>WWW._____.COM (REFERENCE JOB NUMBER_____). |



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| Task/Abbreviation: I-56811-001- -BOW THRUSTER UNIT - INSP |  |              |  | MJC: EXECI283 |  | Rev Date:  |  |                      |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1     |  | Removal Required: NO |  |         |  |
| Lvl of Maint: 3                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: |  | ManDays: 5           |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |            |  | MCC: 3               |  |         |  |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-56811-001)BOW THRUSTER UNIT REQUIRES INSPECTION | INSPECT AND TEST THE BOW THRUSTER UNIT. ACCOMPLISH AN ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. INCLUDE: A. COUPLING, FLEXIBLE B. HYDRAULIC SYSTEM, DIVERTER VALVES C. MOTOR, ELECTRIC (350-HP; D.C.; VARIABLE SPEED) D. MOTOR DRIVE (SCR) E. REDUCTION GEAR F. VALVES, DIVERTER PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-56811-003- -BOW THRUSTER RDCN GR - RPR**MJC:** EXECQ803**Rev Date:****RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-56811-003)BOW THRUSTER REDUCTION GEAR  
REQUIRES REPAIRACCOMPLISH THE FOLLOWING REPAIRS TO THE REDUCTION GEAR  
OF THE BOW THRUSTER UNIT PER CONDITION ASSESSMENT  
RECOMMENDATIONS AND AS DESIGNATED. ON COMPLETION OF  
REPAIRS, REINSTALL COMPONENTS, REPLACE MISSING AND/OR  
UNSERVICEABLE FASTENERS AND ACCOMPLISH A SATISFACTORY  
OPERATIONAL TEST AND VIBRATION ANALYSIS SURVEY. SUBMIT A  
REPORT OF CONDITIONS FOUND TO THE SHIP'S CSMP. A. REMOVE  
UPPER-HALF COVERS FOR INTERNAL EXAMINATION. B.  
BLUE-CONTACT-CHECK GEAR TEETH AND VERIFY INTERNAL  
ALIGNMENT. C. MEASURE AND RECORD AND NOTE CONDITION OF  
OIL DEFLECTORS, JOURNALS AND BEARING CLEARANCES. D.  
ACCOMPLISH SYSTEM OIL FLUSH. E. STONE AND POLISH GEAR  
TEETH, AS REQUIRED. F. REPLACE AND/OR REBABBITT BEARINGS,  
AS REQUIRED. G. MACHINE-GRIND JOURNALS, AS REQUIRED. H.  
REPLACE OIL DEFLECTORS, AS REQUIRED. I. PROVIDE  
POST-REPAIRS CLEARANCES AND ALIGNMENT DATA. J. ENSURE  
SATISFACTORY DRIVER UNITS TO REDUCTION GEAR UNIT  
ALIGNMENT.

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| Task/Abbreviation: Q-56811-004- -BOW THRUSTER PMP - RPR |              |               | MJC: EXECQ804    |                      | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: NO |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 25          | Alt No:   |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3           |                      |           |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-56811-004)PUMP REQUIRES REPAIR | REMOVE PUMP OF BOW THRUSTER UNIT TO THE SHOP. OPEN PUMP CASING. CLEAN/INSPECT ALL COMPONENTS. MEASURE/RECORD AS-FOUND AND POST-REPAIRS RUNNING CLEARANCES & RUNOUTS. ACCOMPLISH NDT OF PUMP SHAFT & SHAFT SLEEVES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, REASSEMBLE UNIT & ACCOMPLISH SAT OP TEST. A. RESURFACE AND MACHINE SHAFT JOURNALS. B. REPLACE DESIGNATED COUPLINGS. C. REPLACE PROPELLER. D. REPLACE SHAFT. E. REPLACE SHAFT SLEEVES. F. REPLACE SHAFT SPACER SLEEVES. G. DYNAMICALLY-BALANCE ROTATING ASSEMBLY. H. REPAIR CASING AND BEARING HOUSINGS USING WELD BUILD BUILD-UP OR AUTHORIZED COATING SYSTEM. I. REPAIR THRUSTER TUNNEL (P/S). J. REPAIR DESIGNATED DIVERTER VALVES. K. REPLACE DESIGNATED DIVERTER VALVES. L. REPAIR DIVERTER VALVE HYDRAULIC ACTUATED CYLINDERS. M. REPLACE DIVERTER VALVE HYDRAULIC ACTUATED CYLINDERS. |

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| Task/Abbreviation: Q-56811-011- -BOW THRUSTER CONTROL SYS - RPR |              |               | MJC: EXECJAZ1    |                   | Rev Date: 6/9/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 25       | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-56811-011)BOW THRUSTER CONTROL SYSTEM<br>REQUIRES REPAIR | TROUBLESHOOT AND REPAIR THE BOW THRUSTER CONTROL<br>SYSTEM IN ACCORDANCE WITH THE APPLICABLE TECH MANUAL<br>REPLACING DEFECTIVE CIRCUIT BOARDS AND COMPONENTS AS<br>NECESSARY. SYNCHRONIZE GAGE READINGS AND CONTROL IN<br>THE LOCAL CONTROL STATION AND BRIDGE CONTROL STATION.<br>OPERATIONALLY TEST REMOTELY AND LOCALLY. |

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| Task/Abbreviation: Q-56811-027- -BOW THRUSTER CRIT HOSE - REPL           |           |               | MJC: EXECQCR9    |            | Rev Date: 12/15/2009 |                   |
| RCM Analysis:                                                            |           | Scheduled: Y  | Sit Reqs:        |            | Qty:                 | Removal Required: |
| Lvl of Maint: 2                                                          | Freq: 144 | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 4 | Alt No:              |                   |
| Referenced Authority:                                                    |           | Repair Pool:  |                  | MCC: 2     |                      |                   |
| NAVSEA S6430-AE-TED-010 NAVSEA CWP CRIT HOSE REPL PROG GC:700020,MA:2265 |           |               |                  |            |                      |                   |

| Reason:  | Problem Description:                                                                                                                                                                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| BASELINE | (Q-56811-027) THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE BOW THRUSTER CRITICAL FLEXIBLE HOSE ASSEMBLY REQUIRES REPLACEMENT AS REQUIRED BY THE NAVSEA CUMBERSOME WORK PRACTICES (CWP) CRITICAL HOSE REPLACEMENT PROGRAM. | REPLACE THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE BOW THRUSTER CRITICAL FLEXIBLE HOSE ASSEMBLY IN ACCORDANCE WITH NAVSEA S6430-AE-TED-010 AS FOLLOWS: A). REMOVE EXISTING FLEXIBLE HOSE ASSEMBLY. B). FABRICATE REPLACEMENT FLEXIBLE HOSE ASSEMBLY UTILIZING TEMPLATE SIZE AND CONFIGURATION FROM EXISTING SHIPBOARD CONDITIONS. C). REUSE EXISTING FITTINGS IF SERVICEABLE OR PROVIDE NEW FITTINGS. D). ACCOMPLISH A HYDROSTATIC TEST OF THE REPLACEMENT SYNTHETIC RUBBER FLEXIBLE HOSE ASSEMBLY. E). INSTALL A NEW IDENTIFICATION TAG. F). INSTALL THE REPLACEMENT CRITICAL FLEXIBLE HOSE ASSEMBLY. G). ACCOMPLISH AN OPERATIONAL TEST AT SYSTEM OPERATING PRESSURE. |

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| Task/Abbreviation: Q-56811-028- -BOW THRUSTER - RPR |  |              |  | MJC: EXECQE53 |  | Rev Date: 4/20/2009 |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs: D/D |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 0        |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-56811-028)BOW THRUSTER REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE BOW THRUSTER PER CONDITION ASSESSMENT RECOMMENDATIONS: A. REPLACE ANODES. B. REMOVE BIOFOULING. C. REPLACE PROPELLER. D. REMOVE FOULING. E. REPAIR/REPLACE GRATING. DIVERS INSPECTION REPORT AVAILABLE AT WWW._____.COM (REFERENCE JOB NUMBER_____). |

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| Task/Abbreviation: Q-57111-001- -CAR RAS WN - RPR |  |              |  | MJC: EXECQ781 |  | Rev Date:        |  |                       |  |         |  |
| RCM Analysis:                                     |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: YES |  |         |  |
| Lvl of Maint: 1                                   |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,025 |  | ManDays: 45           |  | Alt No: |  |
| Referenced Authority:                             |  |              |  | Repair Pool:  |  |                  |  | MCC: 1                |  |         |  |

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| Reason:  | Problem Description:               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-57111-001)WINCH REQUIRES REPAIR | REMOVE AND SHIP THE DRUM WINCHES OF THE REPLENISHMENT-AT-SEA SYSTEM TO THE DESIGNATED REPAIR POINT. ACCOMPLISH HYDRAULIC, ELECTRICAL, ELECTRONIC, MECHANICAL AND STRUCTURAL REPAIRS PER CONDITION ASSESSMENT RECOMMENDATIONS. INSPECT FOUNDATION FOR STRUCTURAL INTEGRITY AND REPAIR, AS REQUIRED. INSTALL REPAIRED WINCHES AND ACCOMPLISH A SATISFACTORY WEIGHT TEST FOLLOWED BY SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-57113-011- -RAS SINGLE DRUM WN - MRC T1F4 |  |              |  | MJC: CXECI996 |  | Rev Date: 12/1/2009 |  |                   |  |         |  |
| RCM Analysis: 11/17/2008                                       |  | Scheduled: Y |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 12     |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                                          |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-57113-011) THE RAS SINGLE DRUM WINCH REQUIRES ASSESSMENT. | ACCOMPLISH RAS SINGLE DRUM WINCH ASSESSMENT IN ACCORDANCE WITH MRC (T1F4) AS FOLLOWS: 1). INSPECT FLEXIBLE COUPLING EXTERIOR. 2). INSPECT WINCH DRUM HANDWHEEL BRAKE. 3). INSPECT SPANWIRE/LIGHT SPANWIRE WINCH HYDRAULIC BRAKE. 4). TEST OPERATE WINCH. 5). TEST TORQUE (DRUM OVERLOAD) CLUTCHES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: Q-57115-001- -RAS SPANWIRE WN - RPR |  |              |  | MJC: EXECQ785 |  | Rev Date:        |  |                       |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1           |  | Removal Required: YES |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,025 |  | ManDays: 45           |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                  |  | MCC: 3                |  |         |  |

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| Reason:  | Problem Description:               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-57115-001)WINCH REQUIRES REPAIR | REMOVE AND SHIP THE DRUM WINCHES OF THE REPLENISHMENT-AT-SEA SYSTEM TO THE DESIGNATED REPAIR POINT. ACCOMPLISH HYDRAULIC, ELECTRICAL, ELECTRONIC, MECHANICAL AND STRUCTURAL REPAIRS PER CONDITION ASSESSMENT RECOMMENDATIONS. INSPECT FOUNDATION FOR STRUCTURAL INTEGRITY AND REPAIR, AS REQUIRED. INSTALL REPAIRED WINCHES AND ACCOMPLISH A SATISFACTORY WEIGHT TEST FOLLOWED BY SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-57116-001- -RAS SADDLE WN - RPR |  |              |  | MJC: EXECQ786 |  | Rev Date:        |  |                       |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: YES |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 2,025 |  | ManDays: 45           |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                  |  | MCC: 3                |  |         |  |

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| Reason:  | Problem Description:               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-57116-001)WINCH REQUIRES REPAIR | REMOVE AND SHIP THE DRUM WINCHES OF THE REPLENISHMENT-AT-SEA SYSTEM TO THE DESIGNATED REPAIR POINT. ACCOMPLISH HYDRAULIC, ELECTRICAL, ELECTRONIC, MECHANICAL AND STRUCTURAL REPAIRS PER CONDITION ASSESSMENT RECOMMENDATIONS. INSPECT FOUNDATION FOR STRUCTURAL INTEGRITY AND REPAIR, AS REQUIRED. INSTALL REPAIRED WINCHES AND ACCOMPLISH A SATISFACTORY WEIGHT TEST FOLLOWED BY SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-57131-001- -RAS STATION - RPR |  |              |  | MJC: EXECQ370 |  | Rev Date:      |  |                      |  |         |  |
| RCM Analysis:                                      |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: NO |  |         |  |
| Lvl of Maint: 1                                    |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450 |  | ManDays: 10          |  | Alt No: |  |
| Referenced Authority:                              |  |              |  | Repair Pool:  |  |                |  | MCC: 2               |  |         |  |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                                                                                           |
| BASELINE | (Q-57131-001)RAS STATION REQUIRES REPAIR | ACCOMPLISH REPAIRS TO THE REPLENISHMENT-AT-SEA CARGO STATION TO INCLUDE THE SLIDING (SPEED) BLOCKS, RETRACTABLE KING POST, SLIDING PADEYE AND SLIDING PADEYE EMERGENCY DRIVE ASSEMBLE PER CONDITION ASSESSMENT RECOMMENDATIONS. |

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| Task/Abbreviation: I-57131-015- -SLIDING PADEYE - MRC T2C2 |  |              |  | MJC: EXECIDW0 |  | Rev Date: 6/13/2007 |  |                   |  |         |  |
| RCM Analysis: 5/7/2007                                     |  | Scheduled: Y |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                            |  | Freq: 12     |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 4        |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (I-57131-015) THE BULKHEAD MOUNTED SLIDING PADEYE REQUIRES ASSESSMENT. | ACCOMPLISH THE BULKHEAD MOUNTED SLIDING PADEYE ASSESSMENT IN ACCORDANCE WITH MRC T2C2 AS FOLLOWS: 1). SLIDING PADEYE VISUAL INSPECTION AND OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> Q-57131-027- -SLDG PDEYE BRG HSG - REPL |  |                                                                   |  | <b>MJC:</b> EXECQBZ1 |  | <b>Rev Date:</b> 1/19/2008                                                                                                                                                                                                                        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N                                               |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                                                                                                                                                                                                                     |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0                                                    |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 7,120                                                                                                                                                                                                                           |  | <b>ManDays:</b> 60       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                                                                   |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                   |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                    |  | <b>Problem Description:</b>                                       |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                      |  |                          |  |                |  |
| BASELINE                                                          |  | (Q-57131-027)SLIDING PADEYE UPPER OR LOWER BEARING HOUSING FAILS. |  |                      |  | REPAIR ACTIVITY REMOVE PADEYE ASSEMBLY FROM SHIP, REPAIR/REPLACE DAMAGED COMPONENTS, RETURN TO SHIP, AND WEIGHT TEST WHEN COMPLETED. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-57131-028- -SLDG PDEYE BRAKE - ADJ |                                                 |                                                                                                                                              | <b>MJC:</b> EXECQBZ2 |                          | <b>Rev Date:</b> 1/19/2008 |
| <b>RCM Analysis:</b>                                           | <b>Scheduled:</b> N                             | <b>Sit Reqs:</b>                                                                                                                             | <b>Qty:</b> 1        | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 4                                         | <b>Freq:</b> 0                                  | <b>Equip/Task:</b> 1                                                                                                                         | <b>Matl Cost:</b>    | <b>ManDays:</b> 2        | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                   |                                                 | <b>Repair Pool:</b>                                                                                                                          | <b>MCC:</b> 3        |                          |                            |
| <b>Reason:</b>                                                 | <b>Problem Description:</b>                     | <b>Recommended Solution:</b>                                                                                                                 |                      |                          |                            |
| BASELINE                                                       | (Q-57131-028)SLIDING PADEYE DRIFTS EXCESSIVELY. | PROPERLY ADJUST ELECTRIC BRAKE. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                      |                          |                            |

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|------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|---------------------|
| Task/Abbreviation: Q-57131-029- -SLDG PADEYE LIM SW - REPL |                                                          |                                                                                                                                           | MJC: EXECQBZ3  |            | Rev Date: 1/19/2008 |
| RCM Analysis:                                              |                                                          | Scheduled: N                                                                                                                              | Sit Reqs:      | Qty: 1     | Removal Required:   |
| Lvl of Maint: 4                                            | Freq: 0                                                  | Equip/Task: 1                                                                                                                             | Matl Cost: 526 | ManDays: 3 | Alt No:             |
| Referenced Authority:                                      |                                                          | Repair Pool:                                                                                                                              | MCC: 3         |            |                     |
| Reason:                                                    | Problem Description:                                     | Recommended Solution:                                                                                                                     |                |            |                     |
| BASELINE                                                   | (Q-57131-029)SLIDING PADEYE ASSEMBLY LIMIT SWITCH FAILS. | REPAIR/REPLACE LIMIT SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                |            |                     |

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|---------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|---------------------|
| Task/Abbreviation: Q-57131-030- -SLDG PADEYE PENDANT-RPR/REPL |                                            |                                                                                                                                                     | MJC: EXECQBZ4    |            | Rev Date: 1/19/2008 |
| RCM Analysis:                                                 |                                            | Scheduled: N                                                                                                                                        | Sit Reqs:        | Qty: 1     | Removal Required:   |
| Lvl of Maint: 4                                               | Freq: 0                                    | Equip/Task: 1                                                                                                                                       | Matl Cost: 9,200 | ManDays: 8 | Alt No:             |
| Referenced Authority:                                         |                                            | Repair Pool:                                                                                                                                        | MCC: 3           |            |                     |
| Reason:                                                       | Problem Description:                       | Recommended Solution:                                                                                                                               |                  |            |                     |
| BASELINE                                                      | (Q-57131-030)SLIDING PADEYE PENDANT FAILS. | REPAIR/REPLACE SLIDING PADEYE PENDANT. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                  |            |                     |



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| <b>Task/Abbreviation:</b> Q-57131-033- -SLDG PADEYE CONT - RPR/REPL |  |                                                     |  | <b>MJC:</b> EXECQBZ7 |  | <b>Rev Date:</b> 1/21/2008                                                                                                                      |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N                                 |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                                                                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 4                                              |  | <b>Freq:</b> 0                                      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 3,875                                                                                                                         |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                                                     |  | <b>Repair Pool:</b>  |  |                                                                                                                                                 |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                      |  | <b>Problem Description:</b>                         |  |                      |  | <b>Recommended Solution:</b>                                                                                                                    |  |                          |  |                |  |
| BASELINE                                                            |  | (Q-57131-033)SLIDING PADEYE CONTROLLER INOPERATIVE. |  |                      |  | REPAIR/REPLACE DAMAGED COMPONENTS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |  |                          |  |                |  |

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| Task/Abbreviation: Q-57131-034- -CARR/GUIDE RAIL ASSY -RPR/REPL |              | MJC: EXECQBZ8 | Rev Date: 1/21/2008 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,200    | ManDays: 10       | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                             |
| BASELINE | (Q-57131-034)SLIDING PADEYE CARRIAGE, BALLSCREW OR GUIDERAIL ASSEMBLIES FAIL. | REPAIR ACTIVITY REMOVE PADEYE ASSEMBLY FROM SHIP, REPAIR/REPLACE DAMAGED COMPONENTS, RETURN TO SHIP, AND WEIGHT TEST WHEN COMPLETED. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-57131-036- -SLDG PADEYE FLEX CPLG-RPR/REPL |              |               | MJC: EXECQC00  |                   | Rev Date: 1/21/2008 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 2                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 250 | ManDays: 6        | Alt No:             |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |                |                   |                     |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                           |
| BASELINE | (Q-57131-036)SLIDING PADEYE FLEXIBLE COUPLING FAILED. | REPAIR/REPLACE DAMAGED COMPONENTS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| <b>Task/Abbreviation:</b> Q-57131-038- -SLDG PADEYE MOT - REPL/OVHL |                     |                      | <b>MJC:</b> EXECQC02    |                          | <b>Rev Date:</b> 1/21/2008 |
| <b>RCM Analysis:</b>                                                | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1           | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 2                                              | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 1,478 | <b>ManDays:</b> 50       | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                        |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3           |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                       | <b>Recommended Solution:</b>                                                                                                                                    |
| BASELINE       | (Q-57131-038)SLIDING PADEYE ELECTRIC MOTOR FAILS. | OVERHAUL/REPLACE MOTOR. WEIGHT TEST WHEN COMPLETE. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-57131-039- -SLDG PADEYE BRAKE - RPR/REPL |              |               | MJC: EXECQC03    |                   | Rev Date: 1/21/2008 |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                     |
| Lvl of Maint: 4                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,921 | ManDays: 9        | Alt No:             |
| Referenced Authority:                                         | Repair Pool: | MCC: 3        |                  |                   |                     |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                      |
| BASELINE | (Q-57131-039)SLIDING PADEYE BRAKE FAILS TO OPERATE. | REPAIR BRAKE, REPLACE WORN OR DAMAGED COMPONENTS. WEIGHT TEST WHEN COMPLETED. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-57211-003- -CONVEYOR - RPR |  |              |  | MJC: EXECQ054 |  | Rev Date: 8/30/2003 |  |                   |  |         |  |
| RCM Analysis:                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450      |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                           |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                  | Recommended Solution:                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-57211-003)CONVEYOR REQUIRES REPAIR | ACCOMPLISH ELECTRICAL, ELECTRONIC, MECHANICAL AND STRUCTURAL REPAIRS PER CONDITION ASSESSMENT RECOMMENDATIONS. INSPECT COMPONENTS INCLUDING BRAKE, MOTOR, CONTROLLER, GEAR REDUCER, SPRINGS, RAILS, TRAYS, INTERLOCKS AND LIMIT SWITCHES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-57211-008- -DUMBWAITER - RPR |  |                     |  | <b>MJC:</b> EXECQB12 |  | <b>Rev Date:</b> 8/30/2003 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                     |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                   |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 450      |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                             |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>             | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                  |
| BASELINE       | (Q-57211-008)DUMBWAITER REQUIRES REPAIR | ACCOMPLISH ELECTRICAL, ELECTRONIC, MECHANICAL AND STRUCTURAL REPAIRS PER CONDITION ASSESSMENT RECOMMENDATIONS. INSPECT COMPONENTS INCLUDING BRAKE, MOTOR, CONTROLLER, GEAR REDUCER, SPRINGS, RAILS, TRAYS, INTERLOCKS AND LIMIT SWITCHES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-57211-009- -(M)DUMBWAITER - LD TST |              |               | MJC: EXECM166 |                      | Rev Date: 11/26/2008 |
| RCM Analysis:                                           | Scheduled: Y | Sit Reqs:     | Qty: 1        | Removal Required: NO |                      |
| Lvl of Maint: 2                                         | Freq: 60     | Equip/Task: 1 | Matl Cost:    | ManDays: 5           | Alt No:              |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 2        |                      |                      |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (I-57211-009) NSTM REQUIREMENT DUE. | IAW NSTM CH-572, PARA. 572-4.3.4, LOAD TEST THE DUMBWAITERS OF THE SHIP STORES HANDLING EQUIPMENT. A). ACCOMPLISH A SATISFACTORY NO-LOAD TEST THRU FULL RANGE OF TRAVEL AT RATED SPEED FOR THREE (3) COMPLETE CYCLES. B). ACCOMPLISH A SATISFACTORY STATIC LOAD TEST AT 200% OF RATED LOAD IAW NSTM CH-572, PARA. 4.3.5.3. C). ACCOMPLISH A SATISFACTORY DYNAMIC LOAD TEST IN ALL MODES OF OPERATION AT 150% OF RATED LOAD AT RATED SPEED IAW NSTM CH-572, PARA. 4.3.6.2. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: Q-57211-022- -DMBWTR CONT CKT GRND- RPR/REPL |              | MJC: EXECQC05 | Rev Date: 1/21/2008 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 4                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,056    | ManDays: 6        | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                     |
| BASELINE | (Q-57211-022)500 LB DUMBWAITER CONTROL CIRCUIT IS GROUNDED. | TROUBLESHOOT ELEVATOR CONTROL CIRCUIT AND REPAIR/REPLACE GROUNDED COMPONENT. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-57211-023- -DMBWTR SWTCH ARM-REPL |              |               | MJC: EXECQC06  |                   | Rev Date: 9/14/2006 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 4                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 169 | ManDays: 2        | Alt No:             |
| Referenced Authority:                                  | Repair Pool: | MCC: 3        |                |                   |                     |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                   |
| BASELINE | (Q-57211-023)500 LB DUMBWAITER E-STOP SWITCH ARM IS OUT OF ADJUSTMENT. | REPAIR/REPLACE AND ADJUST STOP SWITCH ARM. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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|--------------------------------------------------------------|---------|---------------|---------------|------------|---------------------|
| Task/Abbreviation: Q-57211-024- -DMBWTR EMER STOP SWTCH-REPL |         |               | MJC: EXECQC07 |            | Rev Date: 1/21/2008 |
| RCM Analysis:                                                |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:   |
| Lvl of Maint: 4                                              | Freq: 0 | Equip/Task: 1 | Matl Cost: 40 | ManDays: 2 | Alt No:             |
| Referenced Authority:                                        |         | Repair Pool:  | MCC: 3        |            |                     |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                |
| BASELINE | (Q-57211-024)500 LB DUMBWAITER EMERGENCY STOP SWITCH DOES NOT OPERATE. | REPAIR/REPLACE 500 LB DUMBWAITER EMERGENCY STOP SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-57211-025- -DMBWTR OIL LVL-REPLENISH |              | MJC: EXECQC08 | Rev Date: 1/21/2008 |                   |         |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 4                                           | Freq: 0      | Equip/Task: 1 | Matl Cost:          | ManDays: 1        | Alt No: |
| Referenced Authority:                                     | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                       |
| BASELINE | (Q-57211-025)500 LB DUMBWAITER OIL LEVEL IS LOW. | REPLENISH OIL TO PROPER LEVEL. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-57211-026- -DMBWTR SHOES/ROLLERS - REPL |              | MJC: EXECQC09 | Rev Date: 1/21/2008 |                   |         |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 2                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 300      | ManDays: 5        | Alt No: |
| Referenced Authority:                                        | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                             |
| BASELINE | (Q-57211-026)500 LB DUMBWAITER SHOES/ROLLERS ARE WORN OR OUT OF ADJUSTMENT. | REPLACE AND/OR ADJUST SHOES/ROLLERS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: I-57211-036- -VERT PKG CNVR SOT II- MRC 9SBT |              |               | MJC: EXECIGP9 |                   | Rev Date: 1/5/2010 |
| RCM Analysis: 11/20/2009                                        | Scheduled: Y | Sit Reqs:     | Qty: 2        | Removal Required: |                    |
| Lvl of Maint: 3                                                 | Freq: 24     | Equip/Task: 1 | Matl Cost:    | ManDays: 5        | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3        |                   |                    |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-57211-036) THE VERTICAL PACKAGE CONVEYOR REQUIRES ASSESSMENT. | ACCOMPLISH THE VERTICAL PACKAGE CONVEYOR ASSESSMENT IN ACCORDANCE WITH MRC 9SBT AS FOLLOWS: 1). ACCOMPLISH SYSTEM OPERABILITY TEST (SOT LEVEL II). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-57322-004- -LONG CONVEYOR - MRC T1Y0 |  |              |  | MJC: EXECIF27 |  | Rev Date: 1/21/2008 |  |                   |  |         |  |
| RCM Analysis: 7/24/2006                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1              |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (I-57322-004)THE LONGITUDINAL CONVEYOR REQUIRES ASSESSMENT. | ACCOMPLISH THE LONGITUDINAL CONVEYOR ASSESSMENT IN ACCORDANCE WITH MRC T1Y0 AS FOLLOWS: 1. PERFORM ELECTRICAL, MACHINERY AND MECHANICAL INSPECTION. 2. TEST OPERATE LONGITUDINAL CONVEYOR. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-57322-017- -VPC DMGD CMPNT-REPL |              |               | MJC: EXECQC27  |                   | Rev Date: 9/14/2006 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 23        | Removal Required: |                     |
| Lvl of Maint: 2                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 526 | ManDays: 4        | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                  | Recommended Solution:                                                                                                                                 |
| BASELINE | (Q-57322-017)VERTICAL PALLET CONVEYOR<br>HOLDBACK LIMITS INOPERATIVE. | REPAIR/REPLACE DAMAGED COMPONENTS. ACCOMPLISH A<br>SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL.<br>RETURN EQUIPMENT TO READINESS CONDITION. |



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| Task/Abbreviation: Q-57322-018- -VPC SEALS-REPL |              |               | MJC: EXECQC28  |                   | Rev Date: 9/14/2006 |
| RCM Analysis:                                   | Scheduled: N | Sit Reqs:     | Qty: 62        | Removal Required: |                     |
| Lvl of Maint: 2                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 795 | ManDays: 7        | Alt No:             |
| Referenced Authority:                           |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                    |
| BASELINE | (Q-57322-018)VERTICAL PALLET CONVEYOR DRIVE CLUTCH SLIPPING/INOPERATIVE. | REPLACE SEALS AS NECESSARY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-57322-019- -VPC DMGD CMPNT-REPL |              |               | MJC: EXECQC29  |                   | Rev Date: 9/14/2006 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 7         | Removal Required: |                     |
| Lvl of Maint: 4                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 500 | ManDays: 5        | Alt No:             |
| Referenced Authority:                                | Repair Pool: | MCC: 3        |                |                   |                     |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                            |
| BASELINE | (Q-57322-019)VERTICAL PALLET CONVEYOR ELECTRICAL CIRCUIT GROUNDED. | REPAIR/REPLACE GROUNDED COMPONENTS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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|----------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: Q-57322-020- -VPC SOLENOID-REPL |              |               | MJC: EXECQC30 |                   | Rev Date: 9/14/2006 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 99       | Removal Required: |                     |
| Lvl of Maint: 4                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 22 | ManDays: 2        | Alt No:             |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                 |
| BASELINE | (Q-57322-020)VERTICAL PALLET CONVEYOR SOLENOID INOPERATIVE. | REPAIR/REPLACE SOLENOID. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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**Task/Abbreviation:** I-57331-002- -CAR MONORAIL SYS - MRC 6HTZ**MJC:** EXECIBT5**Rev Date:** 7/7/2005**RCM Analysis:** 8/2/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-57331-002)THE CARGO MONORAIL SYSTEM  
REQUIRES ASSESSMENT.ACCOMPLISH THE CARGO MONORAIL SYSTEM ASSESSMENT IN  
ACCORDANCE WITH MRC 6HTZ AS FOLLOWS: 1. CLEAN, INSPECT,  
AND LUBRICATE HOIST CAR CABLES. REPORT CONDITIONS FOUND  
TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE  
IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD  
(2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

|                                                              |  |              |               |               |                    |            |                   |            |         |  |
|--------------------------------------------------------------|--|--------------|---------------|---------------|--------------------|------------|-------------------|------------|---------|--|
| Task/Abbreviation: I-57331-003- -CAR MONORAIL SYS - MRC 6HUB |  |              | MJC: EXECIBT6 |               | Rev Date: 7/7/2005 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                       |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                        |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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|----------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-57331-003)THE CARGO MONORAIL SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE CARGO MONORAIL SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC 6HUB AS FOLLOWS: 1. INSPECT HOIST GEARBOX BRAKE. 2. INSPECT PARKING BRAKE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-57331-006- -CAR MONORAIL SYS - MRC 9GSZ |  |              | MJC: EXECIC00 |               | Rev Date: 7/7/2005 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                       |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                        |  |              |               | Repair Pool:  |                    | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (I-57331-006)THE CARGO MONORAIL SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE CARGO MONORAIL SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC 9GSZ AS FOLLOWS: 1. MEASURE BATTERY SPECIFIC GRAVITY AND HEIGHT OF ELECTROLYTE. 2. INSPECT BATTERY AND TERMINALS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-57331-007- -CAR MONORAIL SYS - MRC 9GTA |  |              | MJC: EXECIC01 |               | Rev Date: 7/7/2005 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                       |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 6 | Alt No: |  |
| Referenced Authority:                                        |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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|----------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (I-57331-007)THE CARGO MONORAIL SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE CARGO MONORAIL SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC 9GTA AS FOLLOWS: 1. INSPECT CARGO MONORAIL TRAIN COMPONENTS. 2. INSPECT CARGO MONORAIL TRACK SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-57331-008- -CAR MONORAIL SYS - MRC 9GTB**MJC:** EXECIC02**Rev Date:** 7/7/2005**RCM Analysis:** 8/2/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-57331-008)THE CARGO MONORAIL SYSTEM  
REQUIRES ASSESSMENT.ACCOMPLISH THE CARGO MONORAIL SYSTEM ASSESSMENT IN  
ACCORDANCE WITH MRC 9GTB AS FOLLOWS: 1. CONDUCT CARGO  
MONORAIL SYSTEM OPERABILITY TEST. REPORT CONDITIONS  
FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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| Task/Abbreviation: I-57331-009- -CAR MONORAIL SYS - MRC 9MXC |  |              | MJC: EXECIC25 |               | Rev Date: 7/7/2005 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                       |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                        |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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|----------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-57331-009)THE CARGO MONORAIL SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE CARGO MONORAIL SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC 9MXC AS FOLLOWS: 1. INSPECT GEARBOX OIL LEVEL. 2. LUBRICATE TRAIN ASSEMBLY. 3. LUBRICATE ROLLER CHAINS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-57331-012- -CAR MONORAIL SYS - MRC 6VAA |  |              | MJC: EXECIE78 |               | Rev Date: 7/7/2005 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                       |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                              |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                        |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-57331-012)THE CARGO MONORAIL SYSTEM REQUIRES ASSESSMENT. | ACCOMPLISH THE CARGO MONORAIL SYSTEM ASSESSMENT IN ACCORDANCE WITH MRC 6VAA AS FOLLOWS: 1. CLEAN AND SERVICE AIR FILTER. 2. CLEAN ENGINE MUFFLER. 3. INSPECT HYDRAULIC FLUID AND REPLACE HYDRAULIC FLUID FILTER ELEMENTS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-57331-025- -CAR MONORAIL SYS - MRC A4UR**MJC:** EXECIHC1**Rev Date:** 10/26/2007**RCM Analysis:** 9/25/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:****Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-57331-025)THE CARGO MONORAIL TRACK  
REQUIRES ASSESSMENT.ACCOMPLISH THE CARGO MONORAIL TRACK ASSESSMENT IN  
ACCORDANCE WITH MRC A4UR AS FOLLOWS: 1. INSPECT MONORAIL  
TRACK FOR CONDITION AND TIGHTNESS. REPORT CONDITIONS  
FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL  
CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION  
TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-57331-027- -CAR MONORAIL SYS - MRC A4UU**MJC:** EXECIHC3**Rev Date:** 10/26/2007**RCM Analysis:** 9/25/2006**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-57331-027)THE CARGO MONORAIL TRAIN ASSEMBLY REQUIRES TESTING AND RECORDING OF ENGINE COMPRESSION PRESSURES AND MAINTENANCE DATA.

**Recommended Solution:**

ACCOMPLISH THE CARGO MONORAIL TRAIN ASSEMBLY ASSESSMENT IN ACCORDANCE WITH MRC A4UU AS FOLLOWS: 1. TEST MONORAIL TRAIN ASSEMBLY. 2. RECORD ENGINE COMPRESSION PRESSURES AND MAINTENANCE DATA. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|--------------------------------------------------------------|--------------|---------------|---------------|-------------------|----------------------|
| Task/Abbreviation: I-57331-028- -CAR MONORAIL SYS - MRC A4UX |              |               | MJC: EXECIHD3 |                   | Rev Date: 10/26/2007 |
| RCM Analysis: 9/25/2006                                      | Scheduled: N | Sit Reqs:     | Qty: 0        | Removal Required: |                      |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 0 | Matl Cost:    | ManDays: 2        | Alt No:              |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-57331-028)THE CARGO MONORAIL CONVEYOR SPROCKETS, DRIVE SHAFTS, ROLLER CHAINS AND RIBBON CHAINS REQUIRE ASSESSMENT. | INSPECT THE CARGO MONORAIL CONVEYOR SPROCKETS, DRIVE SHAFTS, ROLLER CHAINS AND RIBBON CHAINS IN ACCORDANCE WITH MRC A4UX AS FOLLOWS: 1. INSPECT CONVEYOR SPROCKETS, DRIVE SHAFTS, ROLLER CHAINS, AND RIBBON CHAINS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-58111-001- -AHR/AHR CHAIN - INSP/PSV                  |                                   |              |               | MJC: OXECM001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             | Rev Date: 4/28/2009  |  |
| RCM Analysis:                                                              |                                   | Scheduled: Y | Sit Reqs: D/D | Qty: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | Removal Required: NO |  |
| Lvl of Maint: 1                                                            |                                   | Freq: 144    | Equip/Task: 1 | Matl Cost: 1,350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ManDays: 30 | Alt No:              |  |
| Referenced Authority:                                                      |                                   | Repair Pool: |               | MCC: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |                      |  |
| NSTM CH 581, PARA. 581-2.7 NAVSEA STND ITEM 009-32 (MCM) GC:120000,MA:9011 |                                   |              |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |                      |  |
| Reason:                                                                    | Problem Description:              |              |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |                      |  |
| BASELINE                                                                   | (I-58111-001)NSTM REQUIREMENT DUE |              |               | IAW NSTM CH 581, PARA. 581-2.7, REMOVE AND DISASSEMBLE ANCHORS, SWIVEL SHOTS, CHAINS, DETACHABLE LINKS AND STOPPERS. SANDBLAST CLEAN TO NEAR-WHITE THE ANCHOR(S), CHAINS, STOPPERS, DETACHABLE LINKS, PINS, SWIVELS. INSPECT AND PRESERVE ANCHOR, ANCHOR CHAIN AND APPENDAGES IAW NSTM 581 AND MRC 6HTX. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. REPLACE COMPONENTS NOT MEETING SPECIFICATIONS. ON COMPLETION OF REPAIRS, PAINT SHOT IDENTIFICATION AND WIRE MARK CHAINS IAW NSTM 581. INSTALL AND WIRE-LOCK BITTER END SHACKLES AS APPLICABLE. ASSEMBLE AND RESTOW ANCHORS AND CHAINS. NOTE: SPEC DEVELOPED TO BE IAW SWT 581-01. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |             |                      |  |

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| Task/Abbreviation: Q-58111-004- -AHR WNDLS HYDR - RPR |              |               | MJC: OXECQ016    |                      | Rev Date: |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: NO |           |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,350 | ManDays: 30          | Alt No:   |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 2           |                      |           |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-58111-004)THE ANCHOR WINDLASS (HYDRAULIC) REQUIRES REPAIR. | OPEN, CLEAN & INSPECT ALL COMPONENTS. RECORD CLEARANCES/ RUNOUTS & REPORT TO THE NSA. REPAIR PER ASSESSMENT AS APPLICABLE; A. FREE AND ADJUST OPERATING GEAR AND LINKAGE. B. RESURFACE AND MACHINE BRAKE DRUMS. C. STONE/DRESS RDCN GEAR PINION/GEAR TOOTH HIGH SPOTS D. REPLACE BRAKE ASSEMBLY RIVETS AND CHOCKS. E. REPLACE DESIGNATED REDUCTION GEAR ASSEMBLY BEARINGS. F. REPLACE REDUCTION GEAR ASSEMBLY DESIGNATED PINIONS. G. REPLACE REDUCTION GEAR ASSEMBLY DESIGNATED GEARS. H. REPLACE WILDCAT ASSEMBLY SPLINE PINION. I. REPLACE WILDCAT ASSEMBLY LOWER BUSHING. J. REPLACE WILDCAT ASSEMBLY UPPER BUSHING. K. RESURFACE/MACHINE WILDCAT ASSEMBLY SHAFT. L. REPLACE WILDCAT ASSEMBLY SHAFT. M. REPAIR POWER UNIT. N. REPAIR HYDRAULIC MOTOR. O. REPLACE CONTROL VALVE ASSEMBLIES. P. ACCOMPLISH SATISFACTORY WEIGHT TEST. REASSEMBLE USING NEW GASKETS, KEYS, LOCKNUTS, LOCK WASHERS, "O"-RINGS, PINS, SEALS, SHIMS, SPACERS & SPRINGS. REPLACE MISSING/ UNSERVICEABLE FASTENERS. RECORD FINAL CLEARANCES/RUNOUTS. FLUSH & CLEAN SUMP, SVCE, HEAD & STORAGE TANKS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. USE SWT 581-11 FOR GUIDANCE. |

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| Task/Abbreviation: Q-58111-018- -AHR WNDLS CRIT HOSE - REPL              |              |               | MJC: EXECM159    |                   | Rev Date: 12/16/2009 |
| RCM Analysis:                                                            | Scheduled: Y | Sit Reqs:     | Qty: 0           | Removal Required: |                      |
| Lvl of Maint: 2                                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 0        | Alt No:              |
| Referenced Authority:                                                    |              | Repair Pool:  | MCC: 3           |                   |                      |
| NAVSEA S6430-AE-TED-010 NAVSEA CWP CRIT HOSE REPL PROG GC:700020,MA:2265 |              |               |                  |                   |                      |

| Reason:  | Problem Description:                                                                                                                                                                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| BASELINE | (Q-58111-018) THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE ANCHOR WINDLASS CRITICAL FLEXIBLE HOSE ASSEMBLY REQUIRES REPLACEMENT AS REQUIRED BY THE NAVSEA CUMBERSOME WORK PRACTICES (CWP) CRITICAL HOSE REPLACEMENT PROGRAM. | REPLACE THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE ANCHOR WINDLASS CRITICAL FLEXIBLE HOSE ASSEMBLY IN ACCORDANCE WITH NAVSEA S6430-AE-TED-010 AS FOLLOWS: A. REMOVE EXISTING FLEXIBLE HOSE ASSEMBLY. B. FABRICATE REPLACEMENT FLEXIBLE HOSE ASSEMBLY UTILIZING TEMPLATE SIZE AND CONFIGURATION FROM EXISTING SHIPBOARD CONDITIONS. C. REUSE EXISTING FITTINGS IF SERVICEABLE OR PROVIDE NEW FITTINGS. D. ACCOMPLISH A HYDROSTATIC TEST OF THE REPLACEMENT SYNTHETIC RUBBER FLEXIBLE HOSE ASSEMBLY. E. INSTALL A NEW IDENTIFICATION TAG. F. INSTALL THE REPLACEMENT CRITICAL FLEXIBLE HOSE ASSEMBLY. G. ACCOMPLISH AN OPERATIONAL TEST AT SYSTEM OPERATING PRESSURE. |



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| Task/Abbreviation: Q-58111-019- -AHR WNDLS MOT - RWND |              |               | MJC: EXECJE01    |                   | Rev Date: 8/18/2008 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,860 | ManDays: 77       | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                  |
| BASELINE | (Q-58111-019)THE ANCHOR WINDLASS ELECTRIC MOTOR REQUIRES REWINDING. | REWIND THE ANCHOR WINDLASS ELECTRIC MOTOR IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-58111-020- -AHR WNDLS MOT - RPR |                     |                      | <b>MJC:</b> EXECJE02  |                          | <b>Rev Date:</b> 8/18/2008 |
| <b>RCM Analysis:</b>                                        | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 2         | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 1                                      | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 570 | <b>ManDays:</b> 50       | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                                              | <b>Recommended Solution:</b>                                                                                                                                                                                                        |
| BASELINE       | (Q-58111-020)THE ANCHOR WINDLASS ELECTRIC MOTOR REQUIRES RECONDITIONING. | RECONDITION THE ANCHOR WINDLASS ELECTRIC MOTOR IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-58111-021- -AHR WNDLS MOT BRG - REPL |              |               | MJC: EXECJE03  |                   | Rev Date: 8/18/2008 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 285 | ManDays: 10       | Alt No:             |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                |
| BASELINE | (Q-58111-021)THE ANCHOR WINDLASS ELECTRIC MOTOR BEARINGS REQUIRE REPLACEMENT. | DISASSEMBLE THE ANCHOR WINDLASS ELECTRIC MOTOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58111-022- -AHR WNDLS ELEC BRAKE - RPR |  |              |  | MJC: EXECJAV0 |  | Rev Date: 6/8/2005 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,350   |  | ManDays: 15       |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                                                    |
| BASELINE | (Q-58111-022)THE ELECTRIC BRAKE OF THE ANCHOR WINDLASS REQUIRES REPAIR. | REPAIR THE ELECTRIC BRAKE OF THE ANCHOR WINDLASS. DISASSEMBLE THE BRAKE. REMOVE THE OLD BRAKE LINING PADS AND RIVETS. REPLACE BRAKE LINING PADS AND RIVETS WITH NEW. INSPECT THE BRAKE DRUM. RESURFACE AND MACHINE BRAKE DRUM AS NEEDED. |

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**Task/Abbreviation:** Q-58111-023- -AHR WNDLS HYDR PMP - RPR**MJC:** EXECJAV1**Rev Date:** 6/8/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 5,000**ManDays:** 63**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-58111-023)THE ANCHOR WINDLASS HYDRAULIC PUMP REQUIRES REPAIR.

OPEN THE HYDRAULIC PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD AS-FOUND AND POST REPAIR DIMENSIONS AND CLEARANCES OF CYLINDER BARRELS, PISTONS AND VALVE PLATE. ACCOMPLISH NON-DESTRUCTIVE TESTING OF PUMP DRIVE SHAFT, CYLINDER BARRELS AND VALVE PLATE. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, "O"-RINGS AND MECHANICAL SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. LAP CYLINDER BARREL & VLV PLATE SURFACES B. RPL BRNGS (THRUST,RADIAL) CONNECTING RODS, CYLINDER BARRELS, PISTONS, SHAFT(MN), SOCKET RING, TILTING BLOCK AND VALVE PLATE.

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**Task/Abbreviation:** Q-58111-024- -AHR WNDLS HYDR MOT - RPR**MJC:** EXECJAV2**Rev Date:** 6/8/2005**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,350**ManDays:** 30**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-58111-024)THE ANCHOR WINDLASS HYDRAULIC MOTOR REQUIRES REPAIR.

OPEN THE HYDRAULIC MOTOR CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD AS-FOUND AND POST REPAIR DIMENSIONS AND CLEARANCES OF CYLINDER BARRELS, PISTONS AND VALVE PLATE. ACCOMPLISH NON-DESTRUCTIVE TESTING OF PUMP DRIVE SHAFT, CYLINDER BARRELS AND VALVE PLATE. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, "O"-RINGS AND MECHANICAL SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. LAP CYLINDER BARREL & VLV PLATE SURFACES B. RPL BRNGS (THRUST,RADIAL, CYLINDER BARRELS, PISTONS, SHAFT(MN), TILTING BLOCK AND VALVE PLATE.

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| <b>Task/Abbreviation:</b> Q-58111-025- -AHR WNDLS UPR BSH - REPL |                     |                      | <b>MJC:</b> EXECJAV3    |                          | <b>Rev Date:</b> 6/8/2005 |
| <b>RCM Analysis:</b>                                             | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 2           | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                           | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 1,350 | <b>ManDays:</b> 10       | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                     |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3           |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                  | <b>Recommended Solution:</b>                                                                                                                                |
| BASELINE       | (Q-58111-025)THE ANCHOR WINDLASS WILDCAT UPPER BUSHING REQUIRES REPLACEMENT. | DISSASSEMBLE THE WILDCAT OF THE ANCHOR WINDLASS. REPLACE THE WILDCAT SHAFT UPPER BUSHING. ASSEMBLE THE WILDCAT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> Q-58111-026- -AHR WNDLS UPR AND LWR BSH-REPL |                     |                      | <b>MJC:</b> EXECJAV4    |                          | <b>Rev Date:</b> 6/8/2005 |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 2           | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 1,500 | <b>ManDays:</b> 15       | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                           |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3           |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                    | <b>Recommended Solution:</b>                                                                                                                                           |
| BASELINE       | (Q-58111-026)THE ANCHOR WINDLASS WILDCAT UPPER AND LOWER WILDCAT BUSHING REQUIRES REPLACEMENT. | DISSASSEMBLE THE WILDCAT OF THE ANCHOR WINDLASS. REPLACE THE WILDCAT SHAFT UPPER AND LOWER BUSHINGS. ASSEMBLE THE WILDCAT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-58111-027- -AHR WNDLS RDCN GR - RPR |              |               | MJC: EXECJAV5  |                   | Rev Date: 6/8/2005 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 750 | ManDays: 8        | Alt No:            |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3         |                   |                    |

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|----------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-58111-027)THE ANCHOR WINDLASS WILDCAT UPPER AND LOWER WILDCAT BUSHING REQUIRES REPAIR. | REPAIR THE ANCHOR WINDLASS REDUCTION GEARS AND PINIONS. OPEN REDUCTION GEAR CASE. CLEAN AND INSPECT GEAR AND PINION SURFACES. SMOOTH AND POLISH ANY ROUGH OR NICKED GEAR OR PINION SURFACES. LUBRICATE GEAR AND PINION SURFACES. ASSEMBLE GEAR CASE. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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**Task/Abbreviation:** I-58111-066- -AHR WNDLS - MRC 6XMG**MJC:** EXECIF31**Rev Date:** 12/12/2007**RCM Analysis:** 9/13/2004**Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 4**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-58111-066)THE ANCHOR WINDLASS REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE ANCHOR WINDLASS ASSESSMENT IN ACCORDANCE WITH MRC 6XMG AS FOLLOWS: 1. TEST OPERATE ANCHOR WINDLASS WITH NO-LOAD. 2. TEST OPERATE ANCHOR WINDLASS WITH LOAD. 3. TEST OPERATE MECHANICAL HANDBRAKE AND ELECTRIC/MAGNETIC BRAKE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

Date: 7-Oct-11

## LHA1 ICMP Planning Form

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**Task/Abbreviation:** I-58111-069- -AHR WNDLS - MRC N2G2

**MJC:** EXECIF34

**Rev Date:** 3/22/2005

**RCM Analysis:** 9/13/2004

**Scheduled:** Y

**Sit Reqs:**

**Qty:** 2

**Removal Required:**

**Lvl of Maint:** 3

**Freq:** 24

**Equip/Task:** 1

**Matl Cost:**

**ManDays:** 2

**Alt No:**

**Referenced Authority:**

**Repair Pool:**

**MCC:** 3

**Reason:**

**Problem Description:**

**Recommended Solution:**

BASELINE

(I-58111-069)THE ANCHOR WINDLASS REQUIRES ASSESSMENT.

ACCOMPLISH THE ANCHOR WINDLASS ASSESSMENT IN ACCORDANCE WITH MRC N2G2 AS FOLLOWS: 1. INSPECT AND TEST ANCHOR WINDLASS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| <b>Task/Abbreviation:</b> Q-58111-094- -AHR WNDLS SWIVEL HAIRPIN-REPL |                     |                      | <b>MJC:</b> EXECQC52  |                          | <b>Rev Date:</b> 9/14/2006 |
| <b>RCM Analysis:</b>                                                  | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 2         | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 2                                                | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 251 | <b>ManDays:</b> 3        | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                          |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                            |

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|----------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                             | <b>Recommended Solution:</b>                                                                                                         |
| BASELINE       | (Q-58111-094)ANCHOR WINDLASS SWIVEL HAIRPIN IS MISSING. | REPLACE SWIVEL HAIRPIN. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| <b>Task/Abbreviation:</b> Q-58111-095- -AHR WNDLS VLV-REPL |                     |                      | <b>MJC:</b> EXECQC53  |                          | <b>Rev Date:</b> 9/14/2006 |
| <b>RCM Analysis:</b>                                       | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 2         | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 2                                     | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 359 | <b>ManDays:</b> 5        | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                               |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                       |
| BASELINE       | (Q-58111-095)ANCHOR WINDLASS BYPASS VALVE IS STUCK. | REPAIR/REPLACE VALVE. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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|------------------------------------------------------------|---------------------|----------------------|-----------------------|--------------------------|----------------------------|
| <b>Task/Abbreviation:</b> Q-58111-096- -AHR WNDLS VLV-REPL |                     |                      | <b>MJC:</b> EXECQC54  |                          | <b>Rev Date:</b> 9/14/2006 |
| <b>RCM Analysis:</b>                                       | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 2         | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 2                                     | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 418 | <b>ManDays:</b> 5        | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                               |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                             | <b>Recommended Solution:</b>                                                                                                       |
| BASELINE       | (Q-58111-096)ANCHOR WINDLASS CROSSOVER VALVE IS SEIZED. | REPAIR/REPLACE VALVE. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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|----------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-58111-097- -AWNDLS PMP VIB TST - MRC G1P1 |              |               | MJC: EXECIGJ1 |                   | Rev Date: 2/29/2008 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                     |

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|----------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-58111-097)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-58211-043- -MOORING CAPSTAN - MRC N2F5**MJC:** EXECIFL9**Rev Date:** 12/22/2006**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 8**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-58211-043)THE MOORING CAPSTAN REQUIRES ASSESSMENT

ACCOMPLISH THE MOORING CAPSTAN ASSESSMENT IN ACCORDANCE WITH MRC N2F5 AS FOLLOWS: 1. INSPECT CAPSTAN ASSEMBLY. 2. INSPECT ELECTRIC BRAKE. 3. INSPECT FLEXIBLE COUPLING. 4. INSPECT ELECTRIC MOTOR, MOTOR CONTROLLER, AND MASTER SWITCH. 5. PERFORM CAPSTAN TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.



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**Task/Abbreviation:** I-58311-001-A-(M)BOAT DAVIT LD TS - MRC A5H7**MJC:** OXECM007**Rev Date:** 12/14/2009**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:** NO**Lvl of Maint:** 2**Freq:** 24**Equip/Task:** 1**Matl Cost:****ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2

NSTM CHAPTER 583, VOL 2 PARA 583-13.6.2 GC:271601,MA:A5H7

**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-58311-001)NSTM REQUIREMENT DUE

NSTM CHAPTER 583, PARA 13.6.2 REQUIREMENT IS DUE. VISUALLY INSPECT AND ACCOMPLISH STATIC, DYNAMIC AND WORKING LOAD TESTS ON THE BOAT HANDLING DAVIT SYSTEM IN ACCORDANCE WITH MRC A5H7 AS FOLLOWS: 1. PRE-WEIGHT TEST INSPECTION. 2. ACCOMPLISH BOAT DAVIT WEIGHT TEST. ON COMPLETION OF TEST, INSPECT DAVITS AND SUPPORTING STRUCTURES FOR SIGN OF DAMAGE OR PERMANENT DISTORTION DUE TO TEST. PREPARE AND INSTALL NEW OR ANNOTATE EXISTING LABEL PLATE(S) TEST DATA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** Q-58311-006- -BOAT DAVIT WN ASSY - RPR**MJC:** OXECQ004**Rev Date:****RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 675**ManDays:** 15**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-58311-006)BOAT DAVIT WINCH ASSEMBLY  
REQUIRES REPAIRREPAIR THE BOAT DAVIT WINCH ASSEMBLY PER CONDITION  
ASSESSMENT RECOMMENDATIONS. REMOVE WIRE ROPE. DRAIN OIL  
FROM GEAR CASE. DISASSEMBLE & CLEAN ALL COMPONENTS FOR  
INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON  
COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING  
LIST, ASSEMBLE WINCH USING NEW BEARINGS, GASKETS, SEALS,  
SPRINGS AND SPRING FOLLOWERS. REPLACE MISSING AND/OR  
UNSERVICEABLE FASTENERS. LUBRICATE WINCH AND WIRE ROPE.  
REPLACE GEAR CASE OIL. A. REPAIR ELECTRIC BRAKE. B. REPAIR  
DESIGNATED BRAKE LINKAGES. C. REPLACE BRAKE PADS. D.  
REPLACE DESIGNATED CENTRIFUAL CLUTCH COMPONENTS. E.  
REPLACE DESIGNATED LIMIT SWITCHES. F. REPLACE DESIGNATED  
GEARS. G. REPLACE OVER-RUNNING CLUTCH MANUAL BRAKE  
COMPONENTS. H. REPLACE DESIGNATED SAFETY SWITCHES. I.  
REPLACE TENSIONING DEVICE. J. RESURFACE AND MACHINE  
BRAKE DRUM. K. CONDUCT WEIGHT TEST.

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|--------------------------------------------------------------|--------------|---------------|----------------|----------------------|-----------|
| Task/Abbreviation: Q-58311-008- -BOAT DAVIT WIRE ROPE - REPL |              |               | MJC: OXECQ014  |                      | Rev Date: |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: X         | Removal Required: NO |           |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: X | Matl Cost: 225 | ManDays: 5           | Alt No:   |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 2         |                      |           |

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| Reason:  | Problem Description:                                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-58311-008)THE MAIN CABLES (WIRE ROPE) OF THE BOAT HANDLING DAVIT SYSTEM REQUIRES REPLACEMENT. | REPLACE THE MAIN CABLES (WIRE ROPE) OF THE BOAT HANDLING DAVIT SYSTEM PER CONDITION ASSESSMENT RECOMMENDATIONS. ACCOMPLISH PROOF TESTING OF EACH NEW WIRE ROPE, COMPLETE WITH END FITTING, TO 40% OF BREAKING STRENGTH. ACCOMPLISH SATISFACTORY WEIGHT TEST FOLLOWED BY A SATISFACTORY OPERATIONAL TEST. |

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| <b>Task/Abbreviation:</b> K-58311-009- -SHIPALT LHA1-00588K - ACCOMP |                     | <b>MJC:</b> OXSAK015        | <b>Rev Date:</b>             |
| <b>RCM Analysis:</b>                                                 | <b>Scheduled:</b> N | <b>Sit Reqs:</b>            | <b>Qty:</b> 1                |
| <b>Lvl of Maint:</b> 1                                               | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1        | <b>Matl Cost:</b> 142,000    |
| <b>Referenced Authority:</b>                                         |                     | <b>Repair Pool:</b>         | <b>MCC:</b> 3                |
|                                                                      |                     | <b>ManDays:</b> 2938        | <b>Alt No:</b> SALHA 00588 K |
|                                                                      |                     | <b>Removal Required:</b> NO |                              |

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| <b>Reason:</b> | <b>Problem Description:</b>           | <b>Recommended Solution:</b>                                                                                                                                            |
| BASELINE       | (K-58311-9) NAVSEA AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-588K " ADDITIONAL LIFEBOAT STOWAGE" WHICH PROVIDES THREE TIER LIFEBOAT STOWAGES, SO THAT THERE WILL BE 110% ACCOMMODATIONS FOR SHIP PERSONNEL . |

|                                                         |              |               |                  |                   |           |
|---------------------------------------------------------|--------------|---------------|------------------|-------------------|-----------|
| Task/Abbreviation: Q-58311-044- -BOAT DAVIT WN MOT-RWND |              |               | MJC: EXECJD41    |                   | Rev Date: |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |           |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,584 | ManDays: 34       | Alt No:   |
| Referenced Authority:                                   | Repair Pool: | MCC: 3        |                  |                   |           |

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|----------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                        | Recommended Solution:                                                                                                                                                                          |
| BASELINE | (Q-58311-044)THE ELECTRIC MOTOR OF THE BOAT HANDLING DAVIT SYSTEM WINCH REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE BOAT HANDLING DAVIT SYSTEM WINCH IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|--------------------------------------------------------|--------------|---------------|----------------|-------------------|-----------|
| Task/Abbreviation: Q-58311-045- -BOAT DAVIT WN MOT-RPR |              |               | MJC: EXECJD42  |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |           |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 396 | ManDays: 20       | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |           |

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|----------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                                                                                       |
| BASELINE | (Q-58311-045)THE ELECTRIC MOTOR OF THE BOAT HANDLING DAVIT SYSTEM WINCH REQUIRES RECONDITIONING | RECONDITION THE ELECTRIC MOTOR OF THE BOAT HANDLING DAVIT SYSTEM WINCH IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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|---------------------------------------------------------------|---------|---------------|----------------|------------|-------------------|
| Task/Abbreviation: Q-58311-046- -BOAT DAVIT WN MOT BRG - REPL |         |               | MJC: EXECJD43  |            | Rev Date:         |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 1     | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 198 | ManDays: 4 | Alt No:           |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 3         |            |                   |

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| Reason:  | Problem Description:                                                                                   | Recommended Solution:                                                                                                                                        |
| BASELINE | (Q-58311-046)THE ELECTRIC MOTOR BEARINGS OF THE BOAT HANDLING DAVIT SYSTEM WINCH REQUIRES REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE BOAT HANDLING DAVIT SYSTEM WINCH. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------------|--------------|---------------|----------------|-------------------|--------------------|
| Task/Abbreviation: Q-58311-047- -BOAT DAVIT WN ELEC BRAKE - RPR |              |               | MJC: EXECJBE7  |                   | Rev Date: 6/8/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-58311-047)THE BOAT DAVIT WINCH ASSEMBLY ELECTRIC BRAKE REQUIRES REPAIR. | DISASSEMBLE THE BOAT DAVIT WINCH ASSEMBLY ELECTRIC BRAKE. REMOVE THE OLD BRAKE LINING PADS AND RIVETS. REPLACE BRAKE LINING PADS AND RIVETS WITH NEW. INSPECT THE BRAKE DRUM. REPORT CONDITIONS FOUND TO THE NSA. RESURFACE AND MACHINE BRAKE DRUM AS NEEDED. REASSEMBLE AND ADJUST THE BRAKE. ACCOMPLISH SATISFACTORY OPERATIONAL AND LOAD TESTS. |



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| <b>Task/Abbreviation:</b> Q-58311-048- -BOAT DAVIT WN BRAKE DRUM - RPR |                     |                      | <b>MJC:</b> EXECJBE8  |                          | <b>Rev Date:</b> 6/8/2005 |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1         | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 675 | <b>ManDays:</b> 15       | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                           |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                               | <b>Recommended Solution:</b>                                                                                                                                                                                    |
| BASELINE       | (Q-58311-048)THE BOAT DAVIT WINCH ASSEMBLY BRAKE DRUM REQUIRES RESURFACING AND MACHINING. | DISASSEMBLE THE BOAT DAVIT WINCH ASSEMBLY BRAKE. RESURFACE AND MACHINE THE BRAKE DRUM. REASSEMBLE AND ADJUST THE BRAKE. LUBRICATE THE BRAKE, IF APPLICABLE. ACCOMPLISH SATISFACTORY OPERATIONAL AND LOAD TESTS. |

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| Task/Abbreviation: Q-58311-049- -BOAT DAVIT WN BRAKE PADS -REPL |                                                                            |                                                                                                                                                                                                                                                                       | MJC: EXECJBE9  |             | Rev Date: 6/8/2005 |
| RCM Analysis:                                                   |                                                                            | Scheduled: N                                                                                                                                                                                                                                                          | Sit Reqs:      | Qty: 1      | Removal Required:  |
| Lvl of Maint: 1                                                 | Freq: 0                                                                    | Equip/Task: 1                                                                                                                                                                                                                                                         | Matl Cost: 675 | ManDays: 15 | Alt No:            |
| Referenced Authority:                                           |                                                                            | Repair Pool:                                                                                                                                                                                                                                                          | MCC: 3         |             |                    |
| Reason:                                                         | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                 |                |             |                    |
| BASELINE                                                        | (Q-58311-049)THE BOAT DAVIT WINCH ASSEMBLY BRAKE PADS REQUIRE REPLACEMENT. | DISASSEMBLE THE BOAT DAVIT WINCH ASSEMBLY BRAKE. REMOVE THE OLD BRAKE LINING PADS AND RIVETS. REPLACE BRAKE LINING PADS AND RIVETS WITH NEW. REASSEMBLE AND ADJUST THE BRAKE. LUBRICATE THE BRAKE, IF APPLICABLE. ACCOMPLISH SATISFACTORY OPERATIONAL AND LOAD TESTS. |                |             |                    |

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| Task/Abbreviation: Q-58311-050- -DAVIT WN BRAKE LINKAGES - RPR |              |               | MJC: EXECJBF0  |                   | Rev Date: 6/8/2005 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-58311-050)THE BOAT DAVIT WINCH ASSEMBLY BRAKE LINKAGES REQUIRE REPAIR. | REMOVE THE BOAT DAVIT WINCH ASSEMBLY WIRE ROPE. DRAIN AND DISPOSE OF OIL FROM GEAR CASE. DISASSEMBLE THE WINCH AS NEEDED. REPAIR BRAKE LINKAGES. REASSEMBLE WINCH USING NEW GASKETS, SEALS, SPRINGS AND SPRING FOLLOWERS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. LUBRICATE WINCH. LUBRICATE AND REINSTALL WIRE ROPE. REPLACE GEAR CASE OIL. ACCOMPLISH SATISFACTORY OPERATIONAL AND LOAD TESTS. |

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| Task/Abbreviation: Q-58311-051- -WN CNTFGL CLUTCH CMPNTS - REPL |              |               | MJC: EXECJBF1  |                   | Rev Date: 6/8/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No:            |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason: | Problem Description:                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASLINE | (Q-58311-051)THE BOAT DAVIT WINCH ASSEMBLY CENTRIFUGAL CLUTCH ASSEMBLY COMPONENTS REQUIRE REPLACEMENT. | REMOVE THE BOAT DAVIT WINCH ASSEMBLY WIRE ROPE. DRAIN AND DISPOSE OF OIL FROM GEAR CASE. DISASSEMBLE THE WINCH AS NEEDED. DISASSEMBLE THE CENTRIFUGAL CLUTCH ASSEMBLY AND REPLACE COMPONENTS WITH NEW. RESASSEMBLE AND ADJUST THE CLUTCH ASSEMBLY. ENSURE ROTATION OF CLUTCH IS CORRECT DURING REASSEMBLY. REASSEMBLE WINCH USING NEW GASKETS, SEALS, SPRINGS AND SPRING FOLLOWERS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. LUBRICATE WINCH. LUBRICATE AND REINSTALL WIRE ROPE. REPLACE GEAR CASE OIL. ACCOMPLISH SATISFACTORY OPERATIONAL AND LOAD TESTS. |

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| Task/Abbreviation: Q-58311-052- -WN CLUTCH BRAKE CMPNTS - REPL |         |               | MJC: EXECJBF2  |             | Rev Date: 6/8/2005 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 1      | Removal Required:  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15 | Alt No:            |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 3         |             |                    |

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| Reason:  | Problem Description:                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-58311-052)THE BOAT DAVIT WINCH ASSEMBLY OVER-RUNNING CLUTCH MANUAL BRAKE ASSEMBLY COMPONENTS REQUIRE REPLACEMENT. | REMOVE THE BOAT DAVIT WINCH ASSEMBLY WIRE ROPE. DRAIN AND DISPOSE OF OIL FROM GEAR CASE. DISASSEMBLE THE WINCH AS NEEDED. DISASSEMBLE THE OVER-RUNNUNG CLUTCH MANUAL BRAKE ASSEMBLY AND REPLACE COMPONENTS WITH NEW. RESASSEMBLE, LUBRICATE AND ADJUST THE OVER-RUNNING CLUTCH MANUAL BRAKE ASSEMBLY. REASSEMBLE WINCH USING NEW GASKETS, SEALS, SPRINGS AND SPRING FOLLOWERS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. LUBRICATE WINCH. LUBRICATE AND REINSTALL WIRE ROPE. REPLACE GEAR CASE OIL. ACCOMPLISH SATISFACTORY OPERATIONAL AND LOAD TESTS. |

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| Task/Abbreviation: Q-58311-053- -DAVIT WN TENSIONING DVC - REPL |         |               | MJC: EXECJBF3  |             | Rev Date: 6/8/2005 |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:      | Qty: 1      | Removal Required:  |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15 | Alt No:            |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3         |             |                    |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                            |
| BASELINE | (Q-58311-053)THE BOAT DAVIT WINCH ASSEMBLY TENSIONING DEVICE REQUIRES REPLACEMENT. | REMOVE EXISTING AND INSTALL NEW BOAT DAVIT WINCH ASSEMBLY TENSIONING DEVICE. ACCOMPLISH SATISFACTORY OPERATIONAL AND LOAD TESTS. |

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| Task/Abbreviation: Q-58311-054- -DAVIT WN LIMIT SWITCH-RPR/REPL |                                                                                   |                                                                                                      | MJC: EXECJBF4  |             | Rev Date: 6/8/2005 |
| RCM Analysis:                                                   |                                                                                   | Scheduled: N                                                                                         | Sit Reqs:      | Qty: 1      | Removal Required:  |
| Lvl of Maint: 1                                                 | Freq: 0                                                                           | Equip/Task: 1                                                                                        | Matl Cost: 675 | ManDays: 15 | Alt No:            |
| Referenced Authority:                                           |                                                                                   | Repair Pool:                                                                                         | MCC: 3         |             |                    |
| Reason:                                                         | Problem Description:                                                              | Recommended Solution:                                                                                |                |             |                    |
| BASELINE                                                        | (Q-58311-054)BOAT DAVIT WINCH ASSEMBLY LIMIT SWITCHES REQUIRE REPAIR/REPLACEMENT. | REPAIR/REPLACE BOAT DAVIT WINCH ASSEMBLY LIMIT SWITCHES. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                |             |                    |

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| Task/Abbreviation: K-58311-155- -SHIPALT LHA1-01083K - ACCOMP |              | MJC: EXSAK620 | Rev Date: 10/21/2005 |                   |                       |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1               | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost:           | ManDays:          | Alt No: SALHA 01083 K |
| Referenced Authority:                                         | Repair Pool: | MCC: 3        |                      |                   |                       |

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| Reason:  | Problem Description:                                                                                   | Recommended Solution:                                                                                                                                               |
| BASELINE | (K-58311-155) ACCOMPLISH SHIPALT LHA1-01083K, STARBOARD 36FT LCPL BOAT DAVIT REPLACE, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01083K WHICH REPLACES THE STARBOARD 36FT LCPL BOAT AND ITS ASSOCIATED BOAT DAVIT WITH A 7M RIGID INFLATABLE BOAT (RIB) AND COTS BOAT DAVIT. |



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| Task/Abbreviation: O-58311-171- -SCD 5091 - ACCOMP |              |               | MJC: EXSAO252 |                   | Rev Date: 3/17/2008 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays:          | Alt No: SCD 5091    |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 2        |                   |                     |

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| Reason:  | Problem Description:                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (O-58311-171) SCD 5091, LHA/LHD CLASS BOAT DAVIT REPLACEMENT, NOT ACCOMPLISHED | ACCOMPLISH SCD 5091 WHICH REPLACES THE LHD AND LHA CLASS BOAT DAVITS WITH COMMERCIAL OF THE SHELF (COTS) BOAT DAVITS CAPABLE OF LAUNCH AND RECOVER OF 11M OPEN, 11M CABIN OR 7 NAVY STANDARD RIBS. THE LHD CLASS HAS A PORTSIDE DAVIT WHILE THE LHA CLASS HAS BOTH A STARBOARD AND PORT SIDE BOAT DAVIT. CURRENTLY, THESE DAVITS HANDLE LCPL (LANDING CRAFT, PERSONNEL, LARGE) BOATS THAT ARE IN THE PROCESS OF BEING PHASED OUT OF SERVICE BY THE FLEET. FAILURE TO ADD A DAVIT CAPABLE OF HANDLING THE PREFERRED 11M OPEN, 11M CABIN OR 7M NAVY STANDARD RIB, RESULTS IN AN INABILITY TO EFFECTIVELY PERFORM ANTI-TERRORISM/FORCE PROTECTION (AT/FP) MISSIONS AND PROVIDE REQUIRED READY-LIFEBOAT CAPABILITY. |

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| Task/Abbreviation: K-58321-006- -SHIPALT LHA1-01174K - ACCOMP |              |               | MJC: EXSAK625    |                   | Rev Date: 5/3/2006    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 4,575 | ManDays: 44       | Alt No: SALHA 01174 K |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3           |                   |                       |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (K-58321-6) SHIPALT LHA1-01174K, INSTALL MAN OVERBOARD INDICATOR SYSTEM, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01174K WHICH INSTALLS THE MOBI SYSTEM WHICH IS A PERSONAL SALTWATER ACTIVATED MAN OVERBOARD ALARM SYSTEM WHICH AIDS IN DETECTION, IDENTIFICATION, LOCATION, AND RECOVERY OF INDIVIDUALS WHO HAVE FALLEN OVERBOARD. THE MOBI CONSISTS OF A SIGNAL TRANSMITTER (TO BE WORN BY PERSONNEL), A RECEIVING STATION (INSTALLED ON THE BRIDGE), AND A DIRECTION FINDER (INSTALLED ON THE BRIDGE AND/OR RESCUE BOATS). THE MOBI TRANSMITTERS CAN BE DETECTED/RECEIVED BY STANDARD SEARCH AND RESCUE (SAR) EQUIPMENT ON BOARD SHIPS AND AIRCRAFT. |

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| Task/Abbreviation: K-58321-009- -SHIPALT LHD1-03270K - ACCOMP |         |               | MJC: EXSAK740     |             | Rev Date: 4/26/2007   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:         | Qty: 1      | Removal Required:     |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 11,848 | ManDays: 90 | Alt No: SALHD 03270 K |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2            |             |                       |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (K-58321-9) SHIPALT LHD1-03270K, INSTALL MAN OVERBOARD INDICATOR SYSTEM, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHD1-03270K WHICH INSTALLS THE MOBI SYSTEM WHICH IS A PERSONAL SALTWATER ACTIVATED MAN OVERBOARD ALARM SYSTEM WHICH AIDS IN DETECTION, IDENTIFICATION, LOCATION, AND RECOVERY OF INDIVIDUALS WHO HAVE FALLEN OVERBOARD. THE MOBI CONSISTS OF A SIGNAL TRANSMITTER (TO BE WORN BY PERSONNEL), A RECEIVING STATION (INSTALLED ON THE BRIDGE), AND A DIRECTION FINDER (INSTALLED ON THE BRIDGE AND/OR RESCUE BOATS). THE MOBI TRANSMITTERS CAN BE DETECTED/RECEIVED BY STANDARD SEARCH AND RESCUE (SAR) EQUIPMENT ON BOARD SHIPS AND AIRCRAFT. |

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| <b>Task/Abbreviation:</b> I-58331-008- -(M)BOAT SLINGS - LD TST |  |                                    |  | <b>MJC:</b> OXTYA003 |  | <b>Rev Date:</b> 6/8/2010                                                                                                                                                                                                                                            |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> Y                |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0                                                                                                                                                                                                                                                        |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0                     |  | <b>Equip/Task:</b> 0 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                    |  | <b>ManDays:</b> 0        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                    |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                      |  | <b>MCC:</b> 0            |  |                |  |
| NSTM CHAPTER 583, VOL 1 PARA. 583-7.4 GC:271601,MA:1328         |  |                                    |  |                      |  |                                                                                                                                                                                                                                                                      |  |                          |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>        |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                         |  |                          |  |                |  |
| BASELINE                                                        |  | (I-58331-008)NSTM REQUIREMENT DUE. |  |                      |  | IAW NSTM CH-583 VOL. 1, PARA. 583-7.4, INSPECT AND LOAD-TEST THE BOAT SLINGS. SUBMIT A WEIGHT TEST REPORT TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                          |  |                |  |

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| Task/Abbreviation: I-58421-001- -STGT - INSP |         |               |            | MJC: EXECI292 |         | Rev Date: 10/6/2011  |  |
| RCM Analysis:                                |         | Scheduled: N  | Sit Reqs:  |               | Qty: 1  | Removal Required: NO |  |
| Lvl of Maint: 1                              | Freq: 0 | Equip/Task: 1 | Matl Cost: | ManDays: 10   | Alt No: |                      |  |
| Referenced Authority:                        |         | Repair Pool:  |            | MCC: 3        |         |                      |  |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                    |
| BASELINE | (I-58421-001)THE STERN GATE MACHINERY SYSTEM REQUIRES INSPECTION | INSPECT AND TEST THE STERN GATE MACHINERY SYSTEM IAW APPLICABLE TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-58421-002- -STGT HYDR PMP - RPR**MJC:** EXECQ505**Rev Date:** 10/6/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-58421-002)THE HYDRAULIC PUMP  
(ROTARY/VANE) OF THE STERN GATE HYDRAULIC  
POWER UNIT ASSEMBLY REQUIRES REPAIR.

REMOVE THE PUMP. OPEN, CLN AND INSP PUMP CASING. INSPECT ALL COMPONENTS. RECORD ROTOR & HOUSING BORE DIA, CLEARANCES & RUNOUTS & REPORT CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. ACCOMPLISH NDT PUMP SHAFT, ROTOR ASSY, LINER/SLEEVE & DISCS. B. RESURFACE & MACHINE SHAFT JOURNALS IN WAY OF PACKING & BEARINGS. C. STONE/DRESS BEARING HOUSING FIT AREAS. D. RESURFACE & MACHINE PUMP CASING BORES USING AUTHORIZED COATING SYSTEM. E. STONE/DRESS CASING MATING AND SEALING SURFACE. F. REPLACE PUMP ROTOR SHAFT AND KEY. G. REPLACE PUMP ROTOR ASSY & ENSURE ROTOR TO CASING CLEARANCES. H. REPLACE PUSH RODS AND VANES. I. REPLACE LINER/SLEEVE ASSY. J. REPLACE PUMP CASING AND DISCS. K. REPLACE PUMP TO REDUCTION GEAR COUPLING. L. REPLACE MOTOR TO REDUCTION GEAR COUPLING. M. REPAIR PRESSURE CONTROL VALVE ASSY. REASSEMBLE UNIT USING NEW GASKETS, BEARINGS, PACKING, MECHANICAL SEALS, LOCKNUTS, LOCKWASHERS, O RINGS & KEYS. RECORD POST-REPAIR CLEARANCES & RUNOUTS. ALIGN DRIVER & PUMP TO REDUCTION GEAR UNIT. ACCOMPLISH A SATISFACTORY OP TEST.

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| Task/Abbreviation: Q-58421-006- -STGT HE - RPR |              |               | MJC: EXECQ509  |                       | Rev Date: 10/6/2011 |
| RCM Analysis:                                  | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: YES |                     |
| Lvl of Maint: 1                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20           | Alt No:             |
| Referenced Authority:                          |              | Repair Pool:  | MCC: 1         |                       |                     |

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| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-58421-006)THE HEAT EXCHANGER OF THE STERN GATE MACHINERY SYSTEM REQUIRES REPAIR. | ACCOMPLISH THE FOLLOWING REPAIRS TO THE COOLER PER CONDITION ASSESSMENT RECOMMENDATIONS AND AS DESIGNATED. HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES AND REMOVE HEADS FOR TUBE NEST & SHELL CLEANING & INSPECTION. REPORT CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, INSTALL COMPONENTS USING NEW GASKETS AND O- RINGS AND REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RE-ROLL DESIGNATED TUBES. B. INSTALL TUBE INSERTS. C. PLUG DESIGNATED TUBES. D. REPLACE DESIGNATED TUBES. E. REPLACE ZINCS. F. RECOAT/REPAIR TUBE SHEETS. G. REPAIR TUBE SUPPORT PLATES. H. REPLACE HEADS. I. CHEMICALLY- CLEAN MAIN LUBE OIL COOLER. J. MECHANICALLY-CLEAN MAIN LUBE OIL COOLER. K. REPLACE TUBE BUNDLE. |

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| Task/Abbreviation: Q-58421-015- -STGT HE - PLUG TB |              |               | MJC: EXECJ901  |                   | Rev Date: 10/7/2011 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 630 | ManDays: 14       | Alt No:             |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 1         |                   |                     |

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| Reason:  | Problem Description:                                                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-58421-015)DESIGNATED TUBES OF THE HEAT EXCHANGER OF THE STERN GATE MACHINERY SYSTEM REQUIRE PLUGGING. | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. PLUG DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-58421-016- -STGT HE - REPL BUNDLE |              |               | MJC: EXECJ902    |                   | Rev Date: 10/7/2011 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,170 | ManDays: 26       | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 1           |                   |                     |

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| Reason:  | Problem Description:                                                                                        | Recommended Solution:                                                                                                                                                                                                                                  |
| BASELINE | (Q-58421-016)THE TUBE BUNDLE OF THE HEAT EXCHANGER OF THE STERN GATE MACHINERY SYSTEM REQUIRES REPLACEMENT. | REMOVE HEADS FOR SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN SHELL. REPLACE TUBE BUNDLE. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|----------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-58421-017- -STGT HE - REPL TB |              |               | MJC: EXECJ903  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 720 | ManDays: 16       | Alt No:             |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 1         |                   |                     |

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| Reason:  | Problem Description:                                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-58421-017)DESIGNATED TUBES OF THE HEAT EXCHANGER OF THE STERN GATE MACHINERY SYSTEM REQUIRE REPLACEMENT. | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REPLACE DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-58421-018- -STGT HE - REPL ZINCS |              |               | MJC: EXECJ904  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 540 | ManDays: 12       | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 1         |                   |                     |

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| Reason:  | Problem Description:                                                                                  | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (Q-58421-018)THE ZINCS FOR THE HEAT EXCHANGER OF THE STERN GATE MACHINERY SYSTEM REQUIRE REPLACEMENT. | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58421-019- -STGT HE - REROLL TB |              |               | MJC: EXECJ905  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 720 | ManDays: 16       | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 1         |                   |                     |

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| Reason:  | Problem Description:                                                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-58421-019)THE TUBES OF THE HEAT EXCHANGER OF THE STERN GATE MACHINERY SYSTEM REQUIRE REROLLING. | HYDROSTATICALLY TEST COOLER SHELL AND TUBE SIDES. REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPORT CONDITIONS FOUND TO THE NSA. REROLL DESIGNATED TUBES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58421-020- -STGT HE - RPR TB SH |         |               | MJC: EXECJ906  |             | Rev Date: 7/14/2004 |
| RCM Analysis:                                        |         | Scheduled: N  | Sit Reqs:      | Qty: 1      | Removal Required:   |
| Lvl of Maint: 1                                      | Freq: 0 | Equip/Task: 1 | Matl Cost: 810 | ManDays: 18 | Alt No:             |
| Referenced Authority:                                |         | Repair Pool:  | MCC: 1         |             |                     |

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| Reason:  | Problem Description:                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-58421-020)THE TUBE SHEETS OF THE HEAT EXCHANGER OF THE STERN GATE MACHINERY SYSTEM REQUIRE REPAIR. | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. RECOAT/REPAIR TUBE SHEETS. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|--------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-58421-021- -STGT HE - RPR TB SPRT |              |               | MJC: EXECJ907  |                   | Rev Date: 7/14/2004 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 810 | ManDays: 18       | Alt No:             |
| Referenced Authority:                                  | Repair Pool: | MCC: 1        |                |                   |                     |

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| Reason:  | Problem Description:                                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-58421-021)THE TUBE SUPPORT PLATES OF THE HEAT EXCHANGER OF THE STERN GATE MACHINERY SYSTEM REQUIRE REPAIR. | REMOVE HEADS FOR TUBE NEST AND SHELL CLEANING AND INSPECTION. MECHANICALLY AND CHEMICALLY CLEAN TUBE BUNDLE AND SHELL. REPAIR TUBE SUPPORT PLATES. REPLACE ZINCS. ASSEMBLE COOLER USING NEW SEALS. REPLACE MISSING AND UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|---------------------------------------------------------|---------|---------------|------------------|-------------|-------------------|
| Task/Abbreviation: Q-58421-022- -STGT HYDR PMP MOT-RWND |         |               | MJC: EXECJ978    |             | Rev Date:         |
| RCM Analysis:                                           |         | Scheduled: N  | Sit Reqs:        | Qty: 2      | Removal Required: |
| Lvl of Maint: 1                                         | Freq: 0 | Equip/Task: 1 | Matl Cost: 2,640 | ManDays: 50 | Alt No:           |
| Referenced Authority:                                   |         | Repair Pool:  | MCC: 3           |             |                   |

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| Reason:  | Problem Description:                                                                                      | Recommended Solution:                                                                                                                                                                            |
| BASELINE | (Q-58421-022)THE ELECTRIC MOTOR OF THE STERN GATE HYDRAULIC POWER UNIT HYDRAULIC PUMP REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE STERN GATE HYDRAULIC POWER UNIT HYDRAULIC PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58421-023- -STGT HYDR PMP MOT-RPR |              |               | MJC: EXECJ979  |                   | Rev Date: |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 480 | ManDays: 30       | Alt No:   |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                                           | Recommended Solution:                                                                                                                                                                                                                                         |
| BASELINE | (Q-58421-023)THE ELECTRIC MOTOR OF THE STERN GATE HYDRAULIC POWER UNIT HYDRAULIC PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE STERN GATE HYDRAULIC POWER UNIT HYDRAULIC PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |



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| Task/Abbreviation: Q-58421-024- -STGT HYDR PMP MOT BRG-REPL |         |               | MJC: EXECJ980  |            | Rev Date:         |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 240 | ManDays: 6 | Alt No:           |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 3         |            |                   |

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| Reason:  | Problem Description:                                                                                                 | Recommended Solution:                                                                                                                                                              |
| BASELINE | (Q-58421-024)THE ELECTRIC MOTOR BEARINGS OF THE STERN GATE HYDRAULIC POWER UNIT HYDRAULIC PUMP REQUIRES REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE STERN GATE HYDRAULIC POWER UNIT HYDRAULIC PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58421-062- -STGT FILTER - REPL |              |               | MJC: EXECQC55 |                   | Rev Date: 9/14/2006 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 3        | Removal Required: |                     |
| Lvl of Maint: 4                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 10 | ManDays: 1        | Alt No:             |
| Referenced Authority:                               | Repair Pool: | MCC: 3        |               |                   |                     |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                |
| BASELINE | (Q-58421-062)STERN GATE HAS CLOGGED FILTER OR DIRTY HYDRAULIC OIL. | REPLACE FILTER ELEMENT. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| <b>Task/Abbreviation:</b> Q-58421-063- -STGT LMT SWITCH - REPL |  |                     |  | <b>MJC:</b> EXECQC56 |  | <b>Rev Date:</b> 9/14/2006 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 4                                         |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 692      |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                   |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                   | <b>Recommended Solution:</b>                                                                                                       |
| BASELINE       | (Q-58421-063)STERN GATE LIMIT SWITCH DAMAGED. | REPLACE LIMIT SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58421-070- -STGT SEAL-REPL |  |                                          |  | MJC: EXECQC63 |  | Rev Date: 9/14/2006                                                                                                                        |  |                   |  |         |  |
| RCM Analysis:                                   |  | Scheduled: N                             |  | Sit Reqs:     |  | Qty: 1                                                                                                                                     |  | Removal Required: |  |         |  |
| Lvl of Maint: 2                                 |  | Freq: 0                                  |  | Equip/Task: 1 |  | Matl Cost:                                                                                                                                 |  | ManDays: 1        |  | Alt No: |  |
| Referenced Authority:                           |  |                                          |  | Repair Pool:  |  |                                                                                                                                            |  | MCC: 3            |  |         |  |
| Reason:                                         |  | Problem Description:                     |  |               |  | Recommended Solution:                                                                                                                      |  |                   |  |         |  |
| BASELINE                                        |  | (Q-58421-070)STERN GATE SEAL IS LEAKING. |  |               |  | REPLACE SEAL AND REFILL SUMP. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |  |                   |  |         |  |

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| Task/Abbreviation: Q-58421-072- -STGT CONTACTOR-REPL |                                                           |                                                                                                                                        | MJC: EXECQC65     |            | Rev Date: 9/14/2006 |
| RCM Analysis:                                        |                                                           | Scheduled: N                                                                                                                           | Sit Reqs:         | Qty: 2     | Removal Required:   |
| Lvl of Maint: 4                                      | Freq: 0                                                   | Equip/Task: 1                                                                                                                          | Matl Cost: 10,633 | ManDays: 6 | Alt No:             |
| Referenced Authority:                                |                                                           | Repair Pool:                                                                                                                           | MCC: 3            |            |                     |
| Reason:                                              | Problem Description:                                      | Recommended Solution:                                                                                                                  |                   |            |                     |
| BASELINE                                             | (Q-58421-072)STERN GATE MOTOR CONTROLLER CONTACTOR BURNT. | REPAIR/REPLACE CONTACTOR. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                   |            |                     |

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| <b>Task/Abbreviation:</b> Q-58421-073- -STGT DAMAGED COMPONENT-REPL |                                                      | <b>MJC:</b> EXECQC66                                                                                                                             |                       | <b>Rev Date:</b> 9/14/2006 |                          |
| <b>RCM Analysis:</b>                                                |                                                      | <b>Scheduled:</b> N                                                                                                                              | <b>Sit Reqs:</b>      | <b>Qty:</b> 1              | <b>Removal Required:</b> |
| <b>Lvl of Maint:</b> 4                                              | <b>Freq:</b> 0                                       | <b>Equip/Task:</b> 1                                                                                                                             | <b>Matl Cost:</b> 650 | <b>ManDays:</b> 3          | <b>Alt No:</b>           |
| <b>Referenced Authority:</b>                                        |                                                      | <b>Repair Pool:</b>                                                                                                                              | <b>MCC:</b> 3         |                            |                          |
| <b>Reason:</b>                                                      | <b>Problem Description:</b>                          | <b>Recommended Solution:</b>                                                                                                                     |                       |                            |                          |
| BASELINE                                                            | (Q-58421-073)STERN GATE ELECTRICAL CIRCUIT GROUNDED. | REPAIR/REPLACE GROUNDED COMPONENTS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                       |                            |                          |

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| Task/Abbreviation: Q-58421-074- -STGT BRAKE PAD-REPL |              |               | MJC: EXECQC67 |                   | Rev Date: 9/14/2006 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 2                                      | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2        | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                              | Recommended Solution:                                                                                                                               |
| BASELINE | (Q-58421-074)STERN GATE MAIN BRAKE DOES NOT HOLD. | PROPERLY ADJUST OR REPLACE BRAKE PADS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58421-076- -STGT CONTROL SWITCH-REPL |         |               | MJC: EXECQC69  |            | Rev Date: 9/14/2006 |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:      | Qty: 1     | Removal Required:   |
| Lvl of Maint: 4                                           | Freq: 0 | Equip/Task: 1 | Matl Cost: 550 | ManDays: 3 | Alt No:             |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 3         |            |                     |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                |
| BASELINE | (Q-58421-076)STERN GATE HAS FAULTY CONTROL SWITCH. | REPLACE CONTROL SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |



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| <b>Task/Abbreviation:</b> Q-58421-077- -STGT COUPLING KEY-REPL |                     |                      | <b>MJC:</b> EXECQC70  |                          | <b>Rev Date:</b> 9/14/2006 |
| <b>RCM Analysis:</b>                                           | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1         | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 2                                         | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 200 | <b>ManDays:</b> 2        | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                   |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                                       | <b>Recommended Solution:</b>                                                                                                                           |
| BASELINE       | (Q-58421-077)STERN GATE HAS DAMAGED OR LOOSE KEY ON THE COUPLING. | REPLACE KEY AND REPAIR SLOT IF NECESSARY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| <b>Task/Abbreviation:</b> Q-58421-078- -STGT PIN/SHACKLE-REPL |                     |                      | <b>MJC:</b> EXECQC71  |                          | <b>Rev Date:</b> 9/14/2006 |
| <b>RCM Analysis:</b>                                          | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1         | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 2                                        | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 851 | <b>ManDays:</b> 6        | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                  |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 3         |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                     | <b>Recommended Solution:</b>                                                                                                          |
| BASELINE       | (Q-58421-078)STERN GATE HAS DAMAGED PADEYE PIN. | REPLACE PIN AND SHACKLE. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: I-58431-001- -RAMP (HYDR) - INSP |         |               | MJC: EXECI293 |             | Rev Date: 4/4/2002 |                      |
| RCM Analysis:                                       |         | Scheduled: N  | Sit Reqs:     |             | Qty: 1             | Removal Required: NO |
| Lvl of Maint: 1                                     | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 10 | Alt No:            |                      |
| Referenced Authority:                               |         | Repair Pool:  |               | MCC: 3      |                    |                      |

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| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-58431-001)THE HYDRAULICALLY OPERATED VEHICLE HINGED RAMP SYSTEM REQUIRES INSPECTION | INSPECT AND TEST THE HYDRAULICALLY OPERATED VEHICLE HINGED RAMP SYSTEM. ACCOMPLISH AN ELECTRICAL SIGNATURE ANALYSIS (ESA) SURVEY. REPORT CONDITIONS FOUND TO SHIP'S CSMP. INCLUDE: A. HYDRAULIC POWER UNIT. B. HYDRAULIC MANIFOLDS. C. HOIST SYSTEM. D. RAMP DOGGING SYSTEM. E. LIMIT SWITCHES. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-58431-002- -RAMP HYDR PMP - RPR**MJC:** EXECQ510**Rev Date:****RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 2**Removal Required:** YES**Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 1,125 **ManDays:** 25 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 2**Reason:**

BASELINE

**Problem Description:**

(Q-58431-002)THE HYDRAULIC PUMP (VARIABLE DISPLACEMENT- INCLINED PISTON) OF THE HYDRAULIC POWER UNIT OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPAIR.

**Recommended Solution:**

OPEN THE PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD AS-FOUND AND POST REPAIRS DIMENSIONS AND CLEARANCES OF CYLINDER BARRELS, SHAFT TRUNNION BLOCK, PISTONS AND VALVE PLATE. ACCOMPLISH NON-DESTRUCTIVE TESTING OF PUMP DRIVE SHAFT, CYLINDER BARRELS AND VALVE PLATE. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, "O"-RINGS AND MECHANICAL SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. LAP CYLINDER BARREL & VLV PLATE SURFACES B. RPL BRNGS (THRUST,RADIAL) CONNECTING RODS, CYLINDER BARRELS, PISTONS, SHAFT(MN), SHAFT TRUNNION BLOCK, SOCKET RING, TILTING BLOCK AND VALVE PLATE. C. ACCOMPLISH HYDRAULIC OIL SYSTEM FLUSH.

|                                                      |              |               |                |                      |           |
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| Task/Abbreviation: Q-58431-004- -RAMP HYDR CYL - RPR |              |               | MJC: EXECQ484  |                      | Rev Date: |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: NO |           |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 900 | ManDays: 20          | Alt No:   |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3         |                      |           |

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| Reason: | Problem Description:                                                                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASLINE | (Q-58431-004)THE HYDRAULIC CYLINDER (DOUBLE-ACTING) OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPAIR. | INSPECT AND REPAIR THE HYDRAULIC CYLINDER (DOUBLE- ACTING) OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE, CLEAN AND INSPECT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ASSEMBLE USING NEW O -RINGS, FLOAT BUSHING, PISTON LIPSEALS AND SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REFACE HEAD. B. REFACE CAP. C. RESURFACE AND MACHINE CYLINDER BODY. D. REPLACE HEAD. E. REPLACE CAP. F. REPLACE CYLINDER BODY. G. REPLACE PISTON. H. RESURFACE AND MACHINE PISTON ROD. I. REPLACE PISTON ROD. |

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| Task/Abbreviation: Q-58431-005- -RAMP HYDR ACTR - RPR |              |               | MJC: EXECQ485    |                       | Rev Date: |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: YES |           |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50           | Alt No:   |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 3           |                       |           |

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| Reason:  | Problem Description:                                                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-58431-005)THE HYDRAULIC ACTUATOR OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPAIR. | INSPECT AND REPAIR THE HYDRAULIC ACTUATOR OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM PER CONDITION ASSESSMENT RECOMMENDATIONS. DISASSEMBLE, CLEAN AND INSPECT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ASSEMBLE USING NEW O -RINGS, BUSHINGS, AND SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. REFACE PORTED END. B. REFACE UNPORTED END. C. RESURFACE AND MACHINE BODY. D. REPLACE PORTED HEAD. E. REPLACE UNPORTED HEAD. F. REPLACE BODY. G. RESURFACE AND MACHINE SHAFT. H. REPLACE WINGSHAFT. I. REPLACE VANE SEALS. J. REPLACE VANE SEAL SPACERS. |

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| <b>Task/Abbreviation:</b> D-58431-006- -SHIPALT LHA1-00921D - ACCOMP |  |                     |  | <b>MJC:</b> DXSAD009 |  | <b>Rev Date:</b>         |  |                             |  |                              |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1            |  | <b>Removal Required:</b> NO |  |                              |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 20,000 |  | <b>ManDays:</b> 73          |  | <b>Alt No:</b> SALHA 00921 D |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>  |  |                          |  | <b>MCC:</b> 3               |  |                              |  |

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| <b>Reason:</b> | <b>Problem Description:</b>          | <b>Recommended Solution:</b>                                                                                                                       |
| BASELINE       | (D-58431-6) TYCOM AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-921D "HINGED VEH RAMP UPLOCK ASSY" WHICH IMPROVES THE SAFETY, OPERATON AND RELIABILITY OF THE HINGED RAMP UPLOCK ASSEMBLY. |

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| Task/Abbreviation: Q-58431-011- -RAMP HYDR PMP MOT-RWND |         |               | MJC: EXECJB31  |             | Rev Date:         |
| RCM Analysis:                                           |         | Scheduled: N  | Sit Reqs:      | Qty: 2      | Removal Required: |
| Lvl of Maint: 1                                         | Freq: 0 | Equip/Task: 1 | Matl Cost: 324 | ManDays: 12 | Alt No:           |
| Referenced Authority:                                   |         | Repair Pool:  | MCC: 3         |             |                   |

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| Reason:  | Problem Description:                                                                                                      | Recommended Solution:                                                                                                                                                                                            |
| BASELINE | (Q-58431-011)THE ELECTRIC MOTOR OF THE VEHICLE HINGED RAMP SYSTEM HYDRAULIC POWER UNIT HYDRAULIC PUMP REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE VEHICLE HINGED RAMP SYSTEM HYDRAULIC POWER UNIT HYDRAULIC PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-58431-012- -RAMP HYDR PMP MOT-RPR |  |              |  | MJC: EXECJB32 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 156 |  | ManDays: 7        |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                           | Recommended Solution:                                                                                                                                                                                                                                                         |
| BASELINE | (Q-58431-012)THE ELECTRIC MOTOR OF THE VEHICLE HINGED RAMP SYSTEM HYDRAULIC POWER UNIT HYDRAULIC PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE VEHICLE HINGED RAMP SYSTEM HYDRAULIC POWER UNIT HYDRAULIC PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-58431-013- -RAMP HYDR PMP MOT BRG-REPL |         |               | MJC: EXECJB33 |            | Rev Date:         |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:     | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 78 | ManDays: 2 | Alt No:           |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 3        |            |                   |

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| Reason:  | Problem Description:                                                                                                                | Recommended Solution:                                                                                                                                                                              |
| BASELINE | (Q-58431-013)THE ELECTRIC MOTOR BEARINGS OF THE VEHICLE HINGED RAMP SYSTEM HYDRAULIC POWER UNIT HYDRAULIC PUMP REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE VEHICLE HINGED RAMP SYSTEM HYDRAULIC POWER UNIT HYDRAULIC PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58431-017- -RAMP HYDR CYL HEAD - REPL |              |               | MJC: EXECJAV7    |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,563 | ManDays: 6        | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3           |                   |           |

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| Reason:  | Problem Description:                                                                                                                | Recommended Solution:                                                                                                                                                                                                                                                    |
| BASELINE | (Q-58431-017)THE HYDRAULIC CYLINDER (DOUBLE-ACTING) HEAD OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRE REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC CYLINDER OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. REPLACE HEAD. ASSEMBLE USING NEW O-RINGS AND SEALS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58431-018- -RAMP HYDR CYL CAP - REPL |              |               | MJC: EXECJAV8  |                   | Rev Date: |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 112 | ManDays: 2        | Alt No:   |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                                                                | Recommended Solution:                                                                                                                                                                                                                                                   |
| BASELINE | (Q-58431-018)THE HYDRAULIC CYLINDER (DOUBLE-ACTING) CAP OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC CYLINDER OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. REPLACE CAP. ASSEMBLE USING NEW O-RINGS AND SEALS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58431-019- -RAMP HYDR CYL BODY - REPL |              |               | MJC: EXECJAV9  |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 763 | ManDays: 4        | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                    |
| BASELINE | (Q-58431-019)THE HYDRAULIC CYLINDER (DOUBLE-ACTING) BODY OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC CYLINDER OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. REPLACE BODY. ASSEMBLE USING NEW O-RINGS AND SEALS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58431-020- -RAMP HYDR CYL PISTON - REPL |  |              |  | MJC: EXECJAW0 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 325 |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                      |
| BASELINE | (Q-58431-020)THE HYDRAULIC CYLINDER (DOUBLE-ACTING) PISTON OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC CYLINDER OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. REPLACE PISTON. ASSEMBLE USING NEW O-RINGS AND SEALS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58431-021- -RAMP HYDR CYL PISTON RD - REPL |         |               | MJC: EXECJAW1  |            | Rev Date:         |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 169 | ManDays: 5 | Alt No:           |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3         |            |                   |

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| Reason:  | Problem Description:                                                                                                                       | Recommended Solution:                                                                                                                                                                                                                                                          |
| BASELINE | (Q-58431-021)THE HYDRAULIC CYLINDER (DOUBLE-ACTING) PISTON ROD OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC CYLINDER OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. REPLACE PISTON ROD. ASSEMBLE USING NEW O-RINGS AND SEALS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58431-022- -RAMP HYDR CYL SEALS - REPL |  |              |  | MJC: EXECJAW2 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 112 |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                                              | Recommended Solution:                                                                                                                                                                                                                                      |
| BASELINE | (Q-58431-022)THE HYDRAULIC CYLINDER (DOUBLE-ACTING) SEALS AND O-RINGS OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC CYLINDER OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. ASSEMBLE USING NEW O-RINGS AND SEALS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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|-----------------------------------------------------------------|---------|---------------|----------------|-------------|-------------------|
| Task/Abbreviation: Q-58431-023- -RAMP HYDR ACT PORTED HD - REPL |         |               | MJC: EXECJAW3  |             | Rev Date:         |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:      | Qty: 2      | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10 | Alt No:           |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3         |             |                   |

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| Reason:  | Problem Description:                                                                                                        | Recommended Solution:                                                                                                                                                                                                                                                           |
| BASELINE | (Q-58431-023)THE HYDRAULIC ACTUATOR PORTED HEAD OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC ACTUATOR OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. REPLACE PORTED HEAD. ASSEMBLE USING NEW O-RINGS AND SEALS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------------|---------|---------------|----------------|-------------|-------------------|
| Task/Abbreviation: Q-58431-024- -RAMP HYDR ACT UNPRTD HD - REPL |         |               | MJC: EXECJAW4  |             | Rev Date:         |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:      | Qty: 2      | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10 | Alt No:           |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 3         |             |                   |

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| Reason:  | Problem Description:                                                                                                          | Recommended Solution:                                                                                                                                                                                                                                                             |
| BASELINE | (Q-58431-024)THE HYDRAULIC ACTUATOR UNPORTED HEAD OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC ACTUATOR OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. REPLACE UNPORTED HEAD. ASSEMBLE USING NEW O-RINGS AND SEALS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58431-025- -RAMP HYDR ACT BODY - REPL |  |              |  | MJC: EXECJAW5 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                              |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                            |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 935 |  | ManDays: 12       |  | Alt No: |  |
| Referenced Authority:                                      |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                          | Recommended Solution:                                                                                                                                                                                                                                                    |
| BASELINE | (Q-58431-025)THE HYDRAULIC ACTUATOR UNPORTED HEAD OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC ACTUATOR OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. REPLACE BODY. ASSEMBLE USING NEW O-RINGS AND SEALS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-----------------------------------------------------------------|--|--------------|--|---------------|--|----------------|--|-------------------|--|---------|--|
| Task/Abbreviation: Q-58431-026- -RAMP HYDR ACT WINGSHAFT - REPL |  |              |  | MJC: EXECJAW6 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                 |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 839 |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                           |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                      | Recommended Solution:                                                                                                                                                                                                                                                         |
| BASELINE | (Q-58431-026)THE HYDRAULIC ACTUATOR WINGSHAFT OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRES REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC ACTUATOR OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. REPLACE WINGSHAFT. ASSEMBLE USING NEW O-RINGS AND SEALS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58431-027- -RAMP HYDR ACT VN SEALS - REPL |              |               | MJC: EXECJAW7  |                   | Rev Date: |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 218 | ManDays: 4        | Alt No:   |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                      |
| BASELINE | (Q-58431-027)THE HYDRAULIC ACTUATOR VANE SEALS OF THE HOIST SYSTEM OF THE VEHICLE HINGED RAMP SYSTEM REQUIRE REPLACEMENT. | DISASSEMBLE, CLEAN AND INSPECT THE HYDRAULIC ACTUATOR OF THE VEHICLE HINGED RAMP SYSTEM. REPORT CONDITIONS FOUND TO THE NSA. REPLACE VANE SEALS AND VANE SEAL SPACERS. REPLACE OTHER O-RINGS AND SEALS REMOVED WHEN DISASSEMBLING. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-58431-028- -RAMP HYDR PMP - RPR |              |               | MJC: EXECJCT8  |                   | Rev Date: |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 934 | ManDays: 14       | Alt No:   |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason: | Problem Description:                                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASLINE | (Q-58431-028)THE HYDRAULIC PUMP (VARIABLE DISPLACEMENT- INCLINED PISTON) REQUIRES REPAIRS. | OPEN THE PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD AS-FOUND AND POST REPAIRS DIMENSIONS AND CLEARANCES OF CYLINDER BARRELS, SHAFT TRUNNION BLOCK, PISTONS AND VALVE PLATE. ACCOMPLISH NON-DESTRUCTIVE TESTING OF PUMP DRIVE SHAFT, CYLINDER BARRELS AND VALVE PLATE. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, "O"-RINGS AND MECHANICAL SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. A. LAP CYLINDER BARREL & VLV PLATE SURFACES B. RPL BRNGS (THRUST,RADIAL) CONNECTING RODS, CYLINDER BARRELS, PISTONS, SHAFT(MN), SHAFT TRUNNION BLOCK, SOCKET RING, TILTING BLOCK AND VALVE PLATE. |

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| Task/Abbreviation: Q-58431-029- -RAMP HYDR PMP CYL - RPR |              |               | MJC: EXECJCT9  |                   | Rev Date: |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 873 | ManDays: 12       | Alt No:   |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-58431-029)THE HYDRAULIC PUMP (VARIABLE DISPLACEMENT- INCLINED PISTON) REQUIRES REPAIR. | DISASSEMBLE THE PUMP CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD AS-FOUND AND POST REPAIRS DIMENSIONS AND CLEARANCES OF CYLINDER BARRELS, SHAFT TRUNNION BLOCK, PISTONS AND VALVE PLATE. ACCOMPLISH NON-DESTRUCTIVE TESTING OF PUMP DRIVE SHAFT, CYLINDER BARRELS AND VALVE PLATE. SUBMIT A REPORT OF CONDITIONS FOUND TO THE NSA. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. LAP CYLINDER BARREL & VLV PLATE SURFACES. REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, "O"-RINGS AND MECHANICAL SEALS. REPLACE MISSING AND/OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO PUMP. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. CONDUCT SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: I-58811-005- -AIRCRAFT ELEVATOR - INSP |              |               | MJC: EXECI470  |                   | Rev Date: 5/2/2008 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 135 | ManDays: 3        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (I-58811-005) THE AIRCRAFT ELEVATOR AND ELEVATOR COMPONENTS REQUIRE INSPECTION AND OPERATIONAL TEST. | INSPECT AND OPERATIONALLY TEST AIRCRAFT ELEVATOR AND ELEVATOR COMPONENTS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. INSPECTION TO INCLUDE THE FOLLOWING: A. ELEVATOR PLATFORM AND ROLLER ASSEMBLIES. B. HOIST MACHINERY, HYDRAULIC ENGINE, SHEAVES AND ASSOCIATED FOUNDATIONS. C. HYDRAULIC SYSTEM COMPONENTS AND PIPING. D. ELECTRICAL MOTORS, CONTROLLERS, LIMIT SWITCHES AND WIRING. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



|                                                                |  |                                    |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                   |  |         |  |
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| Task/Abbreviation: Q-58811-006- -(M)ACFT ELEV WIRE ROPE - REPL |  |                                    |  | MJC: EXECM163 |  | Rev Date: 9/16/2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: Y                       |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                                |  | Freq: 60                           |  | Equip/Task: 1 |  | Matl Cost: 32,500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | ManDays: 130      |  | Alt No: |  |
| Referenced Authority:                                          |  |                                    |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | MCC: 3            |  |         |  |
| NSTM CH-588, PARA 588-4.4.5 TABLE 588-4-2 GC:788000,MA:2200    |  |                                    |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                   |  |         |  |
| Reason:                                                        |  | Problem Description:               |  |               |  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                   |  |         |  |
| BASELINE                                                       |  | (Q-58811-006)NSTM REQUIREMENT DUE. |  |               |  | IAW NSTM CH-588, PARA 588-4.4.5, REPLACE AIRCRAFT ELEVATOR WIRE ROPES AS FOLLOWS: A). REMOVE EXISTING WIRE ROPES. B). ACCOMPLISH PROOF TEST OF EACH NEW WIRE ROPE COMPLETE WITH END FITTINGS TO 40% OF BREAKING STRENGTH. C). LUBRICATE EACH WIRE ROPE. (LUBRICANT TO CONFORM TO MIL-PRF-18458) D). INSPECT CLAMPING DEVICES, NDT SOCKETS, EYEBOLTS AND SUSPECT AREAS. E). INSTALL NEW WIRE ROPES. F). CONDUCT TENSION TEST ON ALL WIRES ROPES. ADJUST TENSION AS NECESSARY. G). PERFORM REQUIRED WEIGHT TEST. **NOTES: 1. NEW WIRE ROPE IS CONSTRUCTED OF GALVANIZED STEEL. 2. HEAVY-HEX NUTS ARE MADE OF NITRONIC-60 STAINLESS STEEL (ASTM UNIFIED # S21800, TYPE: III, STYLE: B)TO MIL-DTL-1222 DESIGN. 3. HITCH-BOLTS ARE MADE OF 8630 ALLOY STEEL PER MIL-S-6050 (CONDITION: NORMALIZED). 4. EYE BOLTS ARE MADE OF 17-4PH STAINLESS STEEL (ASTM-A564, TYPE: 630, CONDITION: H1150). REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                   |  |         |  |

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**Task/Abbreviation:** I-58811-008- -AIRCRAFT ELEVATOR - MRC 8WNF**MJC:** EXECICT9**Rev Date:** 4/6/2010**RCM Analysis:** 8/2/2004**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 18**Equip/Task:** 1**Matl Cost:****ManDays:** 4**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-58811-008) THE NO.1 DECK EDGE AIRCRAFT ELEVATOR REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE NO.1 DECK EDGE AIRCRAFT ELEVATOR ASSESSMENT IN ACCORDANCE WITH MIP 5881/065; MRC 8WNF AS FOLLOWS: 1. INSPECT MATERIAL CONDITION OF AIRCRAFT ELEVATOR COMPONENTS. 2. CONDUCT SYSTEM OPERABILITY TEST (SOT). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-58811-015- -ARCFT ELEV BULB-REPL |              |               | MJC: EXECQC72 |                   | Rev Date: 8/11/2010 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 4                                       | Freq: 0      | Equip/Task: 1 | Matl Cost: 5  | ManDays: 1        | Alt No:             |
| Referenced Authority:                                 | Repair Pool: | MCC: 3        |               |                   |                     |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-58811-015) AIRCRAFT ELEVATOR INDICATOR BULBS ARE BLOWN. | REPLACE BULBS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE IN ACCORDANCE WITH MIP 5881/065 MRC 8WNF (AFT) OR MIP 5881/066 MRC 8WNG AS FOLLOWS: 1. CONDUCT SYSTEM OPERABILITY TEST (SOT). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-58811-024- -ACFT ELEV ELEC CMPNTS-REPL |              | MJC: EXECQC81 | Rev Date: 8/11/2010 |                   |         |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 4                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 253      | ManDays: 4        | Alt No: |
| Referenced Authority:                                       | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                    |
| BASELINE | (Q-58811-024) AIRCRAFT ELEVATOR ELECTRICAL CIRCUIT(S) GROUNDED. | REPAIR/REPLACE AIRCRAFT ELEVATOR GROUNDED COMPONENTS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH MIP 5881/065; MRC 8WNF. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58811-025- -ACFT ELEV HOSES-TIGHTEN |              |               | MJC: EXECQC82 |                   | Rev Date: 9/14/2006 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 4                                          | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 2        | Alt No:             |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                               |
| BASELINE | (Q-58811-025) AIRCRAFT ELEVATOR HOSE CONNECTIONS ARE LOOSE. | PROPERLY TIGHTEN/REPAIR LOOSE HOSE CONNECTIONS. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL/MIP 5881/065; MRC 8WNF. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58811-026- -ACFT ELEV ORING/SEAL-REPL |              |               | MJC: EXECQC83  |                   | Rev Date: 9/14/2006 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 2                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 250 | ManDays: 3        | Alt No:             |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                 |
| BASELINE | (Q-58811-026) AIRCRAFT ELEVATOR HYDRAULIC FLUID IS LEAKING. | REPLACE O-RINGS, SEALS, AND GASKETS AS NECESSARY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL/MIP 5881/065; MRC 8WNF. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58811-027- -ACFT ELEV KEY-REPL |              | MJC: EXECQC84 |                | Rev Date: 9/14/2006 |         |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required:   |         |
| Lvl of Maint: 4                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 100 | ManDays: 2          | Alt No: |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 3         |                     |         |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                              |
| BASELINE | (Q-58811-027) AIRCRAFT ELEVATOR KEY IS DAMAGED OR MISSING. | REPLACE AIRCRAFT ELEVATOR KEY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL/MIP 5881/065; MRC 8WNF. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58811-030- -ACFT ELEV LIMIT SW-REPL |                                                              |                                                                                                                                                                                        | MJC: EXECQC87  |            | Rev Date: 9/14/2006 |
| RCM Analysis:                                            |                                                              | Scheduled: N                                                                                                                                                                           | Sit Reqs:      | Qty: 1     | Removal Required:   |
| Lvl of Maint: 4                                          | Freq: 0                                                      | Equip/Task: 1                                                                                                                                                                          | Matl Cost: 510 | ManDays: 3 | Alt No:             |
| Referenced Authority:                                    |                                                              | Repair Pool:                                                                                                                                                                           | MCC: 3         |            |                     |
| Reason:                                                  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                  |                |            |                     |
| BASELINE                                                 | (Q-58811-030) AIRCRAFT ELEVATOR LIMIT SWITCH IS INOPERATIVE. | REPAIR/REPLACE AIRCRAFT ELEVATOR LIMIT SWITCH(ES). ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH MIP 5881/065; MRC 8WNF/TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                |            |                     |



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| Task/Abbreviation: Q-58811-031- -ACFT ELEV OIL-REPLENISH |         |               | MJC: EXECQC88 |            | Rev Date: 9/14/2006 |
| RCM Analysis:                                            |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:   |
| Lvl of Maint: 4                                          | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No:             |
| Referenced Authority:                                    |         | Repair Pool:  | MCC: 3        |            |                     |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                       |
| BASELINE | (Q-58811-031)AIRCRAFT ELEVATOR OIL SUMP LEVEL LOW. | REPLENISH OIL TO PROPER LEVEL. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58811-032- -ACFT ELEV CONTROL ARM-CLN |         |               | MJC: EXECQC89 |            | Rev Date: 9/14/2006 |
| RCM Analysis:                                              |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:   |
| Lvl of Maint: 4                                            | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No:             |
| Referenced Authority:                                      |         | Repair Pool:  | MCC: 3        |            |                     |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                        |
| BASELINE | (Q-58811-032) AIRCRAFT ELEVATOR MANUAL CONTROL ARM IS SEIZED. | CLEAN AND LUBRICATE ARM. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL/MIP 5881/065; MRC 8WNF. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58811-033- -ACFT ELEV CONTROL ARM-REPL |         | MJC: EXECQC90 |                | Rev Date: 9/14/2006 |                   |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:      | Qty: 1              | Removal Required: |
| Lvl of Maint: 4                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 182 | ManDays: 2          | Alt No:           |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 3         |                     |                   |

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| Reason:  | Problem Description:                                                  | Recommended Solution:                                                                                                                                                                                  |
| BASELINE | (Q-58811-033) AIRCRAFT ELEVATOR MANUAL CONTROL ARM IS SEIZED/DAMAGED. | REPAIR/REPLACE AIRCRAFT ELEVATOR MANUAL CONTROL ARM, AS NECESSARY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL/MIP 5881/065; MRC 8WNF. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58811-036- -ACFT ELEV PHOTOCCELL-ALIGN |              | MJC: EXECQC93 | Rev Date: 9/14/2006 |                   |         |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 4                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:          | ManDays: 2        | Alt No: |
| Referenced Authority:                                       | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                          |
| BASELINE | (Q-58811-036) AIRCRAFT ELEVATOR PHOTOCCELL IS MISALIGNED. | PROPERLY ALIGN PHOTOCCELL. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL/MIP 5881/065; MRC 8WNF. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58811-038- -ACFT ELEV SEAL/OIL-REPL/FILL |              | MJC: EXECQC95 | Rev Date: 9/14/2006 |                   |         |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 2                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 44       | ManDays: 2        | Alt No: |
| Referenced Authority:                                         | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                          |
| BASELINE | (Q-58811-038) AIRCRAFT ELEVATOR SEAL IS DAMAGED. | REPLACE SEAL AND REFILL OIL SUMP. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58811-039- -ACFT ELEV STANCHION-REPR |                                                            |                                                                                                                                                      | MJC: EXECQC96     |             | Rev Date: 9/14/2006 |                   |
| RCM Analysis:                                             |                                                            | Scheduled: N                                                                                                                                         | Sit Reqs:         |             | Qty: 1              | Removal Required: |
| Lvl of Maint: 1                                           | Freq: 0                                                    | Equip/Task: 1                                                                                                                                        | Matl Cost: 30,925 | ManDays: 15 | Alt No:             |                   |
| Referenced Authority:                                     |                                                            | Repair Pool:                                                                                                                                         | MCC: 3            |             |                     |                   |
| Reason:                                                   | Problem Description:                                       | Recommended Solution:                                                                                                                                |                   |             |                     |                   |
| BASELINE                                                  | (Q-58811-039) AIRCRAFT ELEVATOR STANCHIONS ARE INOPERABLE. | REPAIR/REPLACE STANCHIONS AS NECESSARY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                   |             |                     |                   |

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| Task/Abbreviation: Q-58811-040- -ACFT ELEV OIL-REPLENISH |         |               | MJC: EXECQC97 |            | Rev Date: 9/14/2006 |
| RCM Analysis:                                            |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:   |
| Lvl of Maint: 4                                          | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No:             |
| Referenced Authority:                                    |         | Repair Pool:  | MCC: 3        |            |                     |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                       |
| BASELINE | (Q-58811-040) AIRCRAFT ELEVATOR SUMP OIL LEVEL IS LOW. | REPLENISH OIL TO PROPER LEVEL. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58811-041- -ACFT ELEV TLFX CABLE-REPL |              | MJC: EXECQC98 | Rev Date: 8/11/2010 |                   |         |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 2                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 350      | ManDays: 5        | Alt No: |
| Referenced Authority:                                      | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                |
| BASELINE | (Q-58811-041) AIRCRAFT ELEVATOR TELEFLEX CABLE IS DAMAGED. | REPAIR/REPLACE AIRCRAFT ELEVATOR TELEFLEX CABLE. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL/MIP 5881/065; MRC 8WNF. RETURN EQUIPMENT TO READINESS CONDITION. |



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| Task/Abbreviation: I-58812-005- -AIRCRAFT ELEVATOR - INSP |              |               | MJC: EXECI471  |                   | Rev Date: 5/2/2008 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 135 | ManDays: 3        | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 3         |                   |                    |

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|---------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason: | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASLINE | (I-58812-005) THE AIRCRAFT ELEVATOR AND ELEVATOR COMPONENTS REQUIRES INSPECTION AND OPERATIONAL TEST | INSPECT AND OPERATIONALLY TEST AIRCRAFT ELEVATOR AND ELEVATOR COMPONENTS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. TO INCLUDE THE FOLLOWING: A. ELEVATOR PLATFORM AND ROLLER ASSEMBLIES. B. HOIST MACHINERY, HYDRAULIC ENGINE, SHEAVES AND ASSOCIATED FOUNDATIONS. C. HYDRAULIC SYSTEM COMPONENTS AND PIPING. D. ELECTRICAL MOTORS, CONTROLLERS, LIMIT SWITCHES AND WIRING. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** Q-58812-006- -(M)ACFT ELEV WIRE ROPE - REPL**MJC:** EXECM164**Rev Date:** 9/16/2009**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 84**Equip/Task:** 1**Matl Cost:** 32,500**ManDays:** 130**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3

NSTM CH-588, PARA 588-4.4.5 TABLE 588-4-2 GC:788000,MA:2200

**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-58812-006)NSTM REQUIREMENT DUE.

IAW NSTM CH-588, PARA 588-4.4.5, REPLACE AIRCRAFT ELEVATOR WIRE ROPES AS FOLLOWS: A). REMOVE EXISTING WIRE ROPES. B). ACCOMPLISH PROOF TEST OF EACH NEW WIRE ROPE COMPLETE WITH END FITTINGS TO 40% OF BREAKING STRENGTH. C). LUBRICATE EACH WIRE ROPE. (LUBRICANT TO CONFORM TO MIL-PRF-18458) D). INSPECT CLAMPING DEVICES, NDT SOCKETS, EYEBOLTS AND SUSPECT AREAS. E). INSTALL NEW WIRE ROPES. F). CONDUCT TENSION TEST ON ALL WIRES ROPES. ADJUST TENSION AS NECESSARY. G). PERFORM REQUIRED WEIGHT TEST. \*\* NOTES: 1. NEW WIRE ROPE IS CONSTRUCTED OF GALVANIZED STEEL. 2. HEAVY-HEX NUTS ARE MADE OF NITRONIC-60 STAINLESS STEEL (ASTM UNIFIED # S21800, TYPE: III, STYLE: B)TO MIL-DTL-1222 DESIGN. 3. HITCH-BOLTS ARE MADE OF 8630 ALLOY STEEL PER MIL-S-6050 (CONDITION: NORMALIZED). 4. EYE BOLTS ARE MADE OF 17-4PH STAINLESS STEEL (ASTM-A564, TYPE: 630, CONDITION: H1150). REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-58812-014- -AIRCRAFT ELEVATOR - MRC 8WNF |  |              | MJC: EXECIGJ7 |               | Rev Date: 4/6/2010 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                        |  | Scheduled: Y |               | Sit Reqs:     |                    | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 18     |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 4 | Alt No: |  |
| Referenced Authority:                                         |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-58812-014) THE NO.2 STERN AIRCRAFT ELEVATOR REQUIRES ASSESSMENT. | ACCOMPLISH THE NO.1 DECK EDGE AIRCRAFT ELEVATOR ASSESSMENT IN ACCORDANCE WITH MIP 5881/065; MRC 8WNF AS FOLLOWS: 1. INSPECT MATERIAL CONDITION OF AIRCRAFT ELEVATOR COMPONENTS. 2. CONDUCT SYSTEM OPERABILITY TEST (SOT). REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: R-58821-007- -AVIATION FACIL DISCREP - CORR |              | MJC: EXSYR141   | Rev Date: 6/9/2009 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 001 | Matl Cost: 10,000  | ManDays: 60       | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 2          |                    |                   |         |

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| Reason:  | Problem Description:                                                                                   | Recommended Solution:                                                                                                                                                     |
| BASELINE | (R-58821-007)DISCREPANCIES DISCOVERED DURING NAWC AVIATION FACILITIES ASSIST VISIT REQUIRE CORRECTION. | PROVIDE RESERVATION OF __MANDAYS AND \$_____ MATERIAL TO CORRECT INCIDENTAL GOVERNMENT RESPONSIBLE DISCREPANCIES DISCOVERED DURING NAWC AVIATION FACILITIES ASSIST VISIT. |

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| Task/Abbreviation: K-58821-041- -SHIPALT LHA1-00939K - ACCOMP |              | MJC: EXSAK839 | Rev Date: 4/14/2008 |                   |                       |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 572,525  | ManDays: 3261     | Alt No: SALHA 00939 K |
| Referenced Authority:                                         | Repair Pool: | MCC: 2        |                     |                   |                       |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                           |
| BASELINE | (K-58821-41) SHIPALT LHA1-00939K, MV-22 SERVICES AND SHOP MODS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-00939K WHICH PROVIDES THE NECESSARY AVIATION HANDLING, SERVICE, AND MAINTENANCE FACILITIES, AND SHOP MODIFICATIONS TO LAUNCH, RECOVER, MAINTAIN, AND SERVICE (12) MV-22V/STOL AIRCRAFT. |

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| Task/Abbreviation: K-58821-042- -SHIPALT LHA1-00995K - ACCOMP |         |               | MJC: EXSAK841     |               | Rev Date: 4/14/2008   |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:         |               | Qty: 1                | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 55,500 | ManDays: 4799 | Alt No: SALHA 00995 K |                   |
| Referenced Authority:                                         |         | Repair Pool:  |                   | MCC: 2        |                       |                   |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                                                                                         |
| BASELINE | (K-58821-42) SHIPALT LHA1-00995K, MV-22 TOPSIDE MODS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-00995K WHICH PROVIDES FOR MV-22 AIRCRAFT FLIGHT DECK OPERATIONS CAPABILITY. PROVIDES INSTALLATIONS AND MAKES MODIFICATIONS TO THE FLIGHT DECK, AIRCRAFT ELEVATORS, INBOARD SIDE OF ISLAND, ISLAND PLATFORMS, AND ISLAND BRIDGE WINGS. |

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| Task/Abbreviation: I-58921-001- -(M)SIDEPORT HOIST - LD TST |              | MJC: EXECM138 | Rev Date: 8/23/2011 |                      |         |
| RCM Analysis:                                               | Scheduled: Y | Sit Reqs:     | Qty: 3              | Removal Required: NO |         |
| Lvl of Maint: 1                                             | Freq: 48     | Equip/Task: 1 | Matl Cost:          | ManDays: 10          | Alt No: |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2              |                      |         |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                               |
| BASELINE | (I-58921-001)NSTM REQUIREMENT DUE | IAW NSTM CH-589, PARA. 589-5.2, INSPECT AND LOAD-TEST THE SIDE PORT HOIST(S) AND REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-58921-002- -(M)BRIDGE CRANE - LD TST |  |                                   | MJC: EXECM139 |               | Rev Date: 8/23/2011 |                                                                                                                                                                                                                                                                  |                      |             |         |  |
| RCM Analysis:                                             |  | Scheduled: Y                      |               | Sit Reqs:     |                     | Qty: 1                                                                                                                                                                                                                                                           | Removal Required: NO |             |         |  |
| Lvl of Maint: 1                                           |  | Freq: 48                          |               | Equip/Task: 1 |                     | Matl Cost:                                                                                                                                                                                                                                                       |                      | ManDays: 10 | Alt No: |  |
| Referenced Authority:                                     |  |                                   | Repair Pool:  |               |                     | MCC: 2                                                                                                                                                                                                                                                           |                      |             |         |  |
| Reason:                                                   |  | Problem Description:              |               |               |                     | Recommended Solution:                                                                                                                                                                                                                                            |                      |             |         |  |
| BASELINE                                                  |  | (I-58921-002)NSTM REQUIREMENT DUE |               |               |                     | IAW NSTM CH-589, PARA. 589-5.2, INSPECT AND LOAD-TEST THE BRIDGE CRANE(S) AND REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |                      |             |         |  |



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**Task/Abbreviation:** I-58931-001- -(M)PERS ELEV - LD TST**MJC:** EXECM140**Rev Date:** 3/23/2010**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 72**Equip/Task:** 1**Matl Cost:****ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3

NSTM CH-772, PARA 772-5.2.9 PARA 772-5.4 GC:787000,MA:0919

**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-58931-001)NSTM REQUIREMENT DUE.

ACCOMPLISH SATISFACTORY LOAD-TEST OF THE PERSONNEL ELEVATOR IAW NSTM CH-772-5.2.9 & 772-5.4 AS FOLLOWS: A). INSPECT WIRE ROPES, SHEAVES, WIRE ROPE SOCKETS, BRAKE BANDS & LIMIT SWITCHES FOR GENERAL CONDITION. B). ACCOMPLISH NO-LOAD TEST, CYCLE FOR 30 MINUTES. INSP SAFETY DEVICES & INDICATOR LIGHTS. TEST OPERATE ALL CONTROLS. C). ACCOMPLISH STATIC LOAD TEST AT TWICE THE RATED LOAD WITH THE BRAKE APPLIED FOR 10 MINUTES ---NO SLIPPAGE ALLOWED. D). ACCOMPLISH DYNAMIC LOAD TEST AT 1.5 TIMES THE RATED LOAD FOR TWO COMPLETE CYCLES IN ALL SPEEDS. MONITOR ELECTRIC MOTOR FOR EVIDENCE OF OVERHEATING. APPLY BRAKE WITH LOAD TRAVELING IN DOWN DIRECTION; MAXIMUM ALLOWABLE SLIPPAGE = 3 FEET. E). ACCOMPLISH RATED LOAD TEST. F). ACCOMPLISH EMERGENCY RUN TEST FOR 1 COMPLETE CYCLE. INSPECT FOR PROPER OPERATION. G). INSPECT & TEST THE OVERSPEED GOVERNOR & KNURLED ROLLER ASSEMBLY. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-58931-002- -PERS ELEV ASSESS IAW MRC N1Q8**MJC:** EXECICU4**Rev Date:** 9/16/2008**RCM Analysis:** 9/25/2006**Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 18**Equip/Task:** 1**Matl Cost:****ManDays:** 4**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-58931-002)THE PERSONNEL ELEVATOR  
REQUIRES ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE PERSONNEL ELEVATOR ASSESSMENT IN  
ACCORDANCE WITH MRC N1Q8 AS FOLLOWS: 1). CONDUCT  
ELECTRICAL, MACHINERY, AND MECHANICAL CHECKS. 2). CONDUCT  
CAR, TRUNK, AND DOOR INTERLOCK CHECKS. 3). CONDUCT  
UNDERVOLTAGE SYSTEM AND DUPLICATE SLOW SWITCH TEST. 4).  
CONDUCT OVERTRAVEL PROTECTION TEST. 5). CONDUCT SLACK  
WIRE ROPE SAFETY DEVICE TEST. 6). CONDUCT OVERSPEED  
GOVERNOR TEST. 7). CONDUCT FULL SYSTEM NO-LOAD  
OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP.  
PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND  
POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64)  
IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-58931-006- -PERS ELEV BRAKE DRUM-REPL |              | MJC: EXECQCA0 | Rev Date: 4/27/2007 |                   |         |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2              | Removal Required: |         |
| Lvl of Maint: 2                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 957      | ManDays: 4        | Alt No: |
| Referenced Authority:                                      | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                    | Recommended Solution:                                                                                                                   |
| BASELINE | (Q-58931-006)PERSONNEL ELEVATOR HAS DAMAGED BRAKE DRUM. | REPAIR/REPLACE BRAKE DRUM. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58931-007- -PERS ELEV BRAKE-ADJ |                                                          |                                                                                                                                     | MJC: EXECQCA1 |            | Rev Date: 4/27/2007 |
| RCM Analysis:                                        |                                                          | Scheduled: N                                                                                                                        | Sit Reqs:     | Qty: 2     | Removal Required:   |
| Lvl of Maint: 4                                      | Freq: 0                                                  | Equip/Task: 1                                                                                                                       | Matl Cost:    | ManDays: 3 | Alt No:             |
| Referenced Authority:                                |                                                          | Repair Pool:                                                                                                                        | MCC: 3        |            |                     |
| Reason:                                              | Problem Description:                                     | Recommended Solution:                                                                                                               |               |            |                     |
| BASELINE                                             | (Q-58931-007)PERSONNEL ELEVATOR BRAKE OUT OF ADJUSTMENT. | PROPERLY ADJUST BRAKE. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |               |            |                     |

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| Task/Abbreviation: Q-58931-008- -PERS ELEV BRAKE PADS-REPL |         |               | MJC: EXECQCA2    |             | Rev Date: 4/27/2007 |
| RCM Analysis:                                              |         | Scheduled: N  | Sit Reqs:        | Qty: 2      | Removal Required:   |
| Lvl of Maint: 2                                            | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,516 | ManDays: 10 | Alt No:             |
| Referenced Authority:                                      |         | Repair Pool:  | MCC: 3           |             |                     |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                        |
| BASELINE | (Q-58931-008)PERSONNEL ELEVATOR BRAKE PADS ARE WORN. | REPLACE BRAKE PADS. WEIGHT TEST WHEN COMPLETED. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| <b>Task/Abbreviation:</b> Q-58931-009- -PERS ELEV DK LVL SW-ADJ |  |                                                                         |  | <b>MJC:</b> EXECQCA3 |  | <b>Rev Date:</b> 4/27/2007                                                                                                           |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                                                     |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                        |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 4                                          |  | <b>Freq:</b> 0                                                          |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                    |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                                                                         |  | <b>Repair Pool:</b>  |  |                                                                                                                                      |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>                                             |  |                      |  | <b>Recommended Solution:</b>                                                                                                         |  |                          |  |                |  |
| BASELINE                                                        |  | (Q-58931-009)PERSONNEL ELEVATOR DECK LEVEL SWITCH IS OUT OF ADJUSTMENT. |  |                      |  | PROPERLY ADJUST SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |  |                          |  |                |  |

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| Task/Abbreviation: Q-58931-010- -PERS ELEV DK LVL SW-REPL |              |               | MJC: EXECQCA4  |                   | Rev Date: 4/27/2007 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 4                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 935 | ManDays: 4        | Alt No:             |
| Referenced Authority:                                     | Repair Pool: | MCC: 3        |                |                   |                     |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                               |
| BASELINE | (Q-58931-010)PERSONNEL ELEVATOR DECK LEVEL SWITCH IS OUT OF ADJUSTMENT. | REPAIR/REPLACE SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58931-011- -PERS ELEV SW ARM-CLEAN |                                                                   |                                                                                                                                              | MJC: EXECQCA5 |            | Rev Date: 4/27/2007 |
| RCM Analysis:                                           |                                                                   | Scheduled: N                                                                                                                                 | Sit Reqs:     | Qty: 2     | Removal Required:   |
| Lvl of Maint: 4                                         | Freq: 0                                                           | Equip/Task: 1                                                                                                                                | Matl Cost:    | ManDays: 2 | Alt No:             |
| Referenced Authority:                                   |                                                                   | Repair Pool:                                                                                                                                 | MCC: 3        |            |                     |
| Reason:                                                 | Problem Description:                                              | Recommended Solution:                                                                                                                        |               |            |                     |
| BASELINE                                                | (Q-58931-011)PERSONNEL ELEVATOR HAS SEIZED HIGH SPEED SWITCH ARM. | CLEAN AND LUBRICATE SWITCH ARM. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |               |            |                     |



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| Task/Abbreviation: Q-58931-012- -PERS ELEV SW ARM-REPL |              |               | MJC: EXECQCA6  |                   | Rev Date: 4/27/2007 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 4                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 922 | ManDays: 4        | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                          |
| BASELINE | (Q-58931-012)PERSONNEL ELEVATOR HAS SEIZED HIGH SPEED SWITCH ARM. | REPAIR/REPLACE HIGH SPEED SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58931-013- -PERS ELEV CBL SW-ALIGN |              |               | MJC: EXECQCA7 |                   | Rev Date: 4/27/2007 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 4                                         | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No:             |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                               |
| BASELINE | (Q-58931-013)PERSONNEL ELEVATOR SLACK CABLE SWITCH IS MISALIGNED. | PROPERLY ALIGN SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-58931-014- -PERS ELEV CBL SW-REPL |                                                                   |                                                                                                                                                 | MJC: EXECQCA8  |                   | Rev Date: 4/27/2007 |
| RCM Analysis:                                          | Scheduled: N                                                      | Sit Reqs:                                                                                                                                       | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 4                                        | Freq: 0                                                           | Equip/Task: 1                                                                                                                                   | Matl Cost: 429 | ManDays: 3        | Alt No:             |
| Referenced Authority:                                  |                                                                   | Repair Pool:                                                                                                                                    | MCC: 3         |                   |                     |
| Reason:                                                | Problem Description:                                              | Recommended Solution:                                                                                                                           |                |                   |                     |
| BASELINE                                               | (Q-58931-014)PERSONNEL ELEVATOR SLACK CABLE SWITCH IS MISALIGNED. | REPAIR/REPLACE SLACK CABLE SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                |                   |                     |

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|----------------------------------------------------------------|--|---------------------------------------------------------------|--|----------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> Q-58931-015- -PERS ELEV SWITCH-ALIGN |  |                                                               |  | <b>MJC:</b> EXECQCA9 |  | <b>Rev Date:</b> 4/27/2007                                                                                                          |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N                                           |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                       |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 4                                         |  | <b>Freq:</b> 0                                                |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                   |  | <b>ManDays:</b> 3        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                   |  |                                                               |  | <b>Repair Pool:</b>  |  |                                                                                                                                     |  | <b>MCC:</b> 3            |  |                |  |
| <b>Reason:</b>                                                 |  | <b>Problem Description:</b>                                   |  |                      |  | <b>Recommended Solution:</b>                                                                                                        |  |                          |  |                |  |
| BASELINE                                                       |  | (Q-58931-015)PERSONNEL ELEVATOR SWITCH IS IMPROPERLY ALIGNED. |  |                      |  | PROPERLY ALIGN SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |  |                          |  |                |  |

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|---------------------------------------------------------|--------------|---------------|---------------------|-------------------|---------|
| Task/Abbreviation: Q-58931-016- -PERS ELEV SWITCH-ALIGN |              | MJC: EXECQCB0 | Rev Date: 4/27/2007 |                   |         |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2              | Removal Required: |         |
| Lvl of Maint: 4                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 650      | ManDays: 3        | Alt No: |
| Referenced Authority:                                   | Repair Pool: | MCC: 3        |                     |                   |         |

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|----------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                               |
| BASELINE | (Q-58931-016)PERSONNEL ELEVATOR SWITCH IS IMPROPERLY ALIGNED. | REPAIR/REPLACE SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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|--------------------------------------------------------------|--------------|---------------|---------------------|-------------------|---------|
| Task/Abbreviation: I-58931-017- -(M)PERS ELEV OVSP GOV - CAL |              | MJC: EXECIHG9 | Rev Date: 9/22/2009 |                   |         |
| RCM Analysis:                                                | Scheduled: Y | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 3                                              | Freq: 72     | Equip/Task: 1 | Matl Cost:          | ManDays: 10       | Alt No: |
| Referenced Authority:                                        | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                | Recommended Solution:                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-58931-017) NSTM REQUIREMENT DUE. | CALIBRATE THE PERSONNEL ELEVATOR OVERSPEED GOVERNOR TRIP SPEED IAW NSTM 772-5.2.9 AND THE APPLICABLE TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-58962-001- -SIDEPORT DOORS - OP CHK |  |              |  | MJC: EXECI424 |  | Rev Date: 2/28/2011 |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2              |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:          |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                     |  | MCC: 2            |  |         |  |

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|---------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:       | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                                                                                                    |
| LHA/LHD CLASS | (I-58962-001)SIDEPORT DOORS REQUIRE AND OPERATIONAL CHECK | OPERATIONALLY CHECK THE SIDEPORT DOORS (SHELL AND INBOARD) IN ACCORDANCE WITH THE EQUIPMENT TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-58962-002- -SIDEPORT DOORS - RPR |  |              |  | MJC: EXECQAU8 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 3,375 |  | ManDays: 75       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                  |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-58962-002)THE SIDEPORT DOORS REQUIRE REPAIR. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPLACE DAMAGED/DEFECTIVE HYDRAULIC HOSES. REPLACE DAMAGED/DETERIORATED CLOSURE SYSTEM SEALS. REPLACE DEFECTIVE HINGE ARM COMPONENTS. REPLACE DAMAGED KNIFE EDGE SECTIONS. REPAIR DOG LINKAGE ASSEMBLIES. REPLACE DOGS BEYOND ACCEPTABLE LIMITS. REPAIR DOGGING HYDRAULIC ACTUATING CYLINDERS. REPAIR SHELL DOOR ROTARY ACTUATOR. REPAIR INBOARD DOOR HYDRAULIC CYLINDER. BLAST AND PAINT SIDEPORT SHELL DOOR. REPLACE DAMAGED LIMIT SWITCHES. |



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| Task/Abbreviation: Q-58962-003- -SIDEPORT DOORS HYD HOSES- REPL |         | MJC: EXECJ718 |               | Rev Date:  |                   |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:     | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 86 | ManDays: 2 | Alt No:           |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 2        |            |                   |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                 |
| BASELINE | (Q-58962-003)THE HYDRAULIC HOSES OF THE SIDEPORT DOORS REQUIRE REPLACEMENT. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPLACE DAMAGED/DEFECTIVE HYDRAULIC HOSES. |

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| Task/Abbreviation: Q-58962-004- -SIDEPORT DOORS SEALS - RPR |              | MJC: EXECJ751 | Rev Date:      |                   |         |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |         |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 816 | ManDays: 4        | Alt No: |
| Referenced Authority:                                       | Repair Pool: | MCC: 2        |                |                   |         |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                         |
| BASELINE | (Q-58962-004)THE CLOSURE SYSTEM SEALS OF THE SIDEPORT DOORS REQUIRE REPAIR. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPLACE DAMAGED/DETERIORATED CLOSURE SYSTEM SEALS. |

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| Task/Abbreviation: Q-58962-005- -SIDEPORT DOORS HINGE ARM - RPR |         |               | MJC: EXECJ756  |             | Rev Date:         |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:      | Qty: 2      | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 874 | ManDays: 10 | Alt No:           |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 2         |             |                   |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                              |
| BASELINE | (Q-58962-005)THE HINGE ARM COMPONENTS OF THE SIDEPORT DOORS REQUIRE REPAIR. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPLACE DEFECTIVE HINGE ARM COMPONENTS. |

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|-----------------------------------------------------------------|---------|---------------|----------------|------------|-------------------|
| Task/Abbreviation: Q-58962-006- -SIDEPORT DOOR KNIFE EDGE - RPR |         |               | MJC: EXECJ761  |            | Rev Date:         |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 116 | ManDays: 6 | Alt No:           |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 2         |            |                   |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (Q-58962-006)THE KNIFE EDGE SECTIONS OF THE SIDEPORT DOORS REQUIRE REPAIR. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPLACE DAMAGED KNIFE EDGE SECTIONS. |

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| Task/Abbreviation: Q-58962-007- -SIDEPORT DOOR DOG LINK - RPR |         |               | MJC: EXECJ766  |            | Rev Date:         |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 259 | ManDays: 4 | Alt No:           |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2         |            |                   |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                     |
| BASELINE | (Q-58962-007)THE DOG LINKAGE ASSEMBLIES OF THE SIDEPORT DOORS REQUIRE REPAIR. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPAIR DOG LINKAGE ASSEMBLIES. |

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| Task/Abbreviation: Q-58962-008- -SIDEPORT DOOR DOGS - REPL |              |               | MJC: EXECJ771  |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 6        | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                             |
| BASELINE | (Q-58962-008)THE DOGS OF THE SIDEPORT DOORS REQUIRE REPLACEMENT. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPLACE DOGS BEYOND ACCEPTABLE LIMITS. |

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|--------------------------------------------------------------|---------|---------------|----------------|------------|-------------------|
| Task/Abbreviation: Q-58962-009- -SIDEPORT DOOR HYD CYL - RPR |         |               | MJC: EXECJ776  |            | Rev Date:         |
| RCM Analysis:                                                |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 1 | Matl Cost: 575 | ManDays: 4 | Alt No:           |
| Referenced Authority:                                        |         | Repair Pool:  | MCC: 2         |            |                   |

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| Reason:  | Problem Description:                                                                         | Recommended Solution:                                                                                                                                                                                                                                                    |
| BASELINE | (Q-58962-009)THE DOGGING HYDRAULIC ACTUATING CYLINDERS OF THE SIDEPORT DOORS REQUIRE REPAIR. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPAIR DOGGING HYDRAULIC ACTUATING CYLINDERS. |

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| Task/Abbreviation: Q-58962-010- -SIDEPORT DOOR RTRY ACTR - RPR |         |               | MJC: EXECJ781  |            | Rev Date:         |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 845 | ManDays: 5 | Alt No:           |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 2         |            |                   |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                         |
| BASELINE | (Q-58962-010)THE SHELL DOOR ROTARY ACTUATOR OF THE SIDEPORT DOORS REQUIRE REPAIRS. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPAIR SHELL DOOR ROTARY ACTUATOR. |



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| Task/Abbreviation: Q-58962-011- -SIDEPORT DOOR INBOARD CYL- RPR |         |               | MJC: EXECJA58    |            | Rev Date:         |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:        | Qty: 2     | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 1,125 | ManDays: 5 | Alt No:           |
| Referenced Authority:                                           |         | Repair Pool:  | MCC: 2           |            |                   |

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| Reason:  | Problem Description:                                                                    | Recommended Solution:                                                                                                                                                                                                                                              |
| BASELINE | (Q-58962-011)THE INBOARD DOOR HYDRAULIC CYLINDER OF THE SIDEPORT DOORS REQUIRE REPAIRS. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPAIR INBOARD DOOR HYDRAULIC CYLINDER. |

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| Task/Abbreviation: Q-58962-012- -SIDEPORT DOOR - PAINT |  |              |  | MJC: EXECJA63 |  | Rev Date:     |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2        |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 75 |  | ManDays: 2        |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |               |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (Q-58962-012)THE SIDEPORT SHELL DOOR OF THE SIDEPORT DOORS REQUIRE BLASTING AND PAINTING. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: BLAST AND PAINT SIDEPORT SHELL DOOR. |

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| Task/Abbreviation: Q-58962-013- -SIDEPORT DOOR LIMIT SW - REPL |              | MJC: EXECJA68 | Rev Date:        |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,375 | ManDays: 75       | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 2        |                  |                   |         |

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| Reason:  | Problem Description:                                                               | Recommended Solution:                                                                                                                                                                                                                                      |
| BASELINE | (Q-58962-013)THE DAMAGED LIMIT SWITCHES OF THE SIDEPORT DOORS REQUIRE REPLACEMENT. | ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN OPERATIONAL TEST: REPLACE DAMAGED LIMIT SWITCHES. |

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**Task/Abbreviation:** Q-58962-014- -SIDEPORT DOOR GRM HYD ACT CONT**MJC:** EXECJA85**Rev Date:** 10/6/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 3,375**ManDays:** 75**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-58962-014)THE HYDRAULIC ACTUATOR  
CONTROL SYSTEM OF THE SIDEPORT DOORS  
REQUIRE GROOMING.ACCOMPLISH REPAIRS TO THE SIDE PORT DOORS (SHELL AND  
INBOARD) AND CLOSURE SYSTEM PER CONDITON ASSESSMENT  
RECOMMENDATIONS. ON COMPLETION OF REPAIRS, AS  
AUTHORIZED FROM THE FOLLOWING LIST, ACCOMPLISH AN  
OPERATIONAL TEST: PROVIDE \_\_\_\_ MANDAYS AND \_\_\_\_ DOLLARS  
OF MATERIAL FOR GROOMING OF HYDRAULIC ACTUATOR CONTROL  
SYSTEM.

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| Task/Abbreviation: Q-58962-015- -SIDEPORT DOOR CRIT HOSE - REPL          |           |               | MJC: EXECQCS2    |            | Rev Date: 12/16/2009 |                   |
| RCM Analysis:                                                            |           | Scheduled: Y  | Sit Reqs:        |            | Qty:                 | Removal Required: |
| Lvl of Maint: 2                                                          | Freq: 144 | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 4 | Alt No:              |                   |
| Referenced Authority:                                                    |           | Repair Pool:  |                  | MCC: 2     |                      |                   |
| NAVSEA S6430-AE-TED-010 NAVSEA CWP CRIT HOSE REPL PROG GC:700020,MA:2265 |           |               |                  |            |                      |                   |

| Reason:  | Problem Description:                                                                                                                                                                                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BASELINE | (Q-58962-015) THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE SIDEPORT DOOR CRITICAL FLEXIBLE HOSE ASSEMBLY REQUIRES REPLACEMENT AS REQUIRED BY THE NAVSEA CUMBERSOME WORK PRACTICES (CWP) CRITICAL HOSE REPLACEMENT PROGRAM. | REPLACE THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE SIDEPORT DOOR CRITICAL FLEXIBLE HOSE ASSEMBLY IN ACCORDANCE WITH NAVSEA S6430-AE-TED-010 AS FOLLOWS: A. REMOVE EXISTING FLEXIBLE HOSE ASSEMBLY. B. FABRICATE REPLACEMENT FLEXIBLE HOSE ASSEMBLY UTILIZING TEMPLATE SIZE AND CONFIGURATION FROM EXISTING SHIPBOARD CONDITIONS. C. REUSE EXISTING FITTINGS IF SERVICEABLE OR PROVIDE NEW FITTINGS. D. ACCOMPLISH A HYDROSTATIC TEST OF THE REPLACEMENT SYNTHETIC RUBBER FLEXIBLE HOSE ASSEMBLY. E. INSTALL A NEW IDENTIFICATION TAG. F. INSTALL THE REPLACEMENT CRITICAL FLEXIBLE HOSE ASSEMBLY. G. ACCOMPLISH AN OPERATIONAL TEST AT SYSTEM OPERATING PRESSURE. |

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**Task/Abbreviation:** Q-59311-004- -SEW COMPR - RPR**MJC:** EXECQ570**Rev Date:****RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 3**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,125**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-59311-004)THE AIR COMPRESSOR OF THE  
SEWAGE DISPOSAL SYSTEM REQUIRES REPAIR.

DISASSEMBLE THE AIR COMPRESSOR OF THE SEWAGE DISPOSAL SYSTEM FOR EXAMINATION. ACCOMPLISH SANITARY AND HYGIENIC REQUIREMENTS. MEASURE/RECORD AS-FOUND AND POST-REPAIR ROTOR AND HOUSING BORE DIAMETERS, CLEARANCES AND RUNOUTS. ACCOMPLISH NDT OF ROTOR ASSEMBLY. ON COMPLETION OF REPAIRS, AS AUTHORIZED FROM THE FOLLOWING LIST, REASSEMBLE UNIT USING NEW BEARINGS, GASKETS, AND O-RINGS. REPLACE MISSING OR UNSERVICEABLE FASTENERS. ALIGN ELECTRIC MOTOR TO COMPRESSOR. ADJUST CONTROLS AND ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. A. RESURFACE AND MACHINE SHAFT JOURNALS. B. REPLACE CASING, COUPLING, LINER/SLEEVE ASSEMBLY, ROTOR ASSEMBLIES, THRUST WASHERS AND SPACERS AND TIMING GEAR SET. ENSURE PROPER CLEARANCES. C. RESURFACE COMPRESSOR CASING BORES USING AN AUTHORIZED COATING SYSTEM. D. STONE AND/OR DRESS BEARING HOUSING FIT AREAS, CASING MATING/SEALING SURFACE AND TIMING GEARS.

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| Task/Abbreviation: Q-59311-005- -SEW COMPR MOT - RPR |              |               | MJC: EXECQ581  |                       | Rev Date: |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 3         | Removal Required: YES |           |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 156 | ManDays: 7            | Alt No:   |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3         |                       |           |

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| Reason:  | Problem Description:                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (Q-59311-005)THE ELECTRIC MOTOR OF THE AIR COMPRESSOR OF THE SEWAGE DISPOSAL SYSTEM REQUIRES REPAIRS. | ACCOMPLISH REPAIRS TO THE ELECTRIC MOTOR OF THE AIR COMPRESSOR OF THE SEWAGE DISPOSAL SYSTEM PER CONDITION ASSESSMENT RECOMMENDATIONS. REMOVE MOTOR TO SHOP, AND ACCOMPLISH ONE OF THE FOLLOWING: A. THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-17. B. THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-33. ON COMPLETION OF REPAIRS, REINSTALL AND ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-59311-010- -CHT PP - ACID CLN                |                                                           |               | MJC: EXECQ788                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | Rev Date: 11/16/2006 |                      |
| RCM Analysis:                                                     |                                                           | Scheduled: N  | Sit Reqs:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             | Qty: X               | Removal Required: NO |
| Lvl of Maint: 1                                                   | Freq: 0                                                   | Equip/Task: X | Matl Cost: 1,800                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ManDays: 40 | Alt No:              |                      |
| Referenced Authority:                                             |                                                           | Repair Pool:  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MCC: 2      |                      |                      |
| FLEET REQUIREMENTS NSTM 593-4.4.2.2 - 593-4.4.5 GC:500000,MA:0615 |                                                           |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |                      |                      |
| Reason:                                                           | Problem Description:                                      |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |                      |                      |
| BASELINE                                                          | (Q-59311-010)VCHT PIPING SYSTEM REQUIRES AN ACID CLEANING |               | ACCOMPLISH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-09 FOR ACID CLEANING OF THE CHT VACUUM COLLECTION TANK PIPING SYSTEM USING PARAGRAPH 593-4.4.2.2. THROUGH 593-4.4.5 OF S9086-T8-STM-010/CH-593, POLLUTION CONTROL, FOR CRITERIA. CHEMICALLY CLEAN THE CHT TANK PIPING TO BE DESIGNATED. PROVIDE ____ MANDAYS AND ____ DOLLARS OF MATERIAL TO ACCOMPLISH ADDITIONAL REPAIRS NOT PREVIOUSLY IDENTIFIED. NOTE: USE SWT 593-03 FOR GUIDANCE IN DEVELOPING SPEC. |             |                      |                      |



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| Task/Abbreviation: Q-59311-016- -SEW XFR PMP - RPR |              |               | MJC: EXECQ384  |                       | Rev Date: |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:     | Qty:           | Removal Required: YES |           |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10           | Alt No:   |
| Referenced Authority:                              |              | Repair Pool:  | MCC: 2         |                       |           |

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| Reason:  | Problem Description:                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (Q-59311-016)THE CLOSE COUPLED TRANSFER PUMP OF THE SEWAGE DISPOSAL SYSTEM REQUIRES REPAIR. | REMOVE THE PUMP UNIT (CLOSE-COUPLED) TO THE SHOP. OPEN THE PUMP SUCTION CASING. CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. A. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. B. ACCOMPLISH NDT OF PUMP CASING. C. REPLACE SHAFT SLEEVE. D. REPLACE IMPELLER (OEM OR COMPOSITE). E. MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. F. MACHINE AND FIT WEARING RINGS (IF REQUIRED). G. REPAIR CASING USING WELD/AUTHORITY COATING SYSTEM. H. MACHINE CASING IN WAY OF STUFFING BOX/MECHANICAL SEAL ASSEMBLY. I. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. J. DYNAMICALLY BALANCE ROTATING ASSEMBLY. K. CONDUCT A VIBRATION TEST L. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-RPR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> Q-59311-034- -CHT PP - CLN/HYDROBLAST |  |                     |  | <b>MJC:</b> QXECQ005 |  | <b>Rev Date:</b> 11/27/2001 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> X               |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> X |  | <b>Matl Cost:</b> 1,800     |  | <b>ManDays:</b> 40       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                             |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                 |
| BASELINE       | (Q-59311-034)THE CHT TANK PIPING SYSTEM REQUIRES CLEANING. | ACCOMPLISH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-09 OF 2.A FOR HYDROBLAST, CLEANING AND FLUSHING OF THE CHT COLLECTION TANK PIPING SYSTEM WITH HIGH PRESSURE WATER JET EQUIPMENT. USING NSTM S9086-T8-STM-010/CH-593 PARA 593-4.4.2.1 THROUGH 593-4.4.2.1.3, HYDROBLAST CLEANING, FOR CRITERIA. NOTE: USE SWT 593-01 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-59311-073- -SEW XFR PMP MOT-RWND |  |              |  | MJC: EXECJB04 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                         |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 4         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                       |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 960 |  | ManDays: 23       |  | Alt No: |  |
| Referenced Authority:                                 |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                  |
| BASELINE | (Q-59311-073)THE ELECTRIC MOTOR OF THE SEWAGE DISPOSAL SYSTEM TRANSFER PUMP REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE SEWAGE DISPOSAL SYSTEM TRANSFER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-59311-074- -SEW XFR PMP MOT - RPR |              |               | MJC: EXECJB05  |                   | Rev Date: 3/26/2010 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 300 | ManDays: 14       | Alt No:             |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                                                                                                               |
| BASELINE | (Q-59311-074)THE ELECTRIC MOTOR OF THE SEWAGE DISPOSAL SYSTEM TRANSFER PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE SEWAGE DISPOSAL SYSTEM TRANSFER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-59311-075- -SEW XFR PMP MOT BRG-REPL |         |               | MJC: EXECJB06  |            | Rev Date:         |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:      | Qty: 4     | Removal Required: |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 1 | Matl Cost: 150 | ManDays: 3 | Alt No:           |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 3         |            |                   |

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| Reason:  | Problem Description:                                                                                       | Recommended Solution:                                                                                                                                                    |
| BASELINE | (Q-59311-075)THE ELECTRIC MOTOR BEARINGS OF THE SEWAGE DISPOSAL SYSTEM TRANSFER PUMP REQUIRES REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE SEWAGE DISPOSAL SYSTEM TRANSFER PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-59311-085- -SEW COMPR MOT-RWND |         | MJC: EXECJB16 |                | Rev Date:   |                   |
| RCM Analysis:                                       |         | Scheduled: N  | Sit Reqs:      | Qty: 3      | Removal Required: |
| Lvl of Maint: 1                                     | Freq: 0 | Equip/Task: 1 | Matl Cost: 408 | ManDays: 15 | Alt No:           |
| Referenced Authority:                               |         | Repair Pool:  | MCC: 3         |             |                   |

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| Reason:  | Problem Description:                                                                                    | Recommended Solution:                                                                                                                                                                                |
| BASELINE | (Q-59311-085)THE ELECTRIC MOTOR OF THE AIR COMPRESSOR OF THE SEWAGE DISPOSAL SYSTEM REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE AIR COMPRESSOR OF THE SEWAGE DISPOSAL SYSTEM IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-59311-086- -SEW COMPR MOT - RPR |              |               | MJC: EXECJB17  |                   | Rev Date: 4/8/2010 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 3         | Removal Required: |                    |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 156 | ManDays: 7        | Alt No:            |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                                                          | Recommended Solution:                                                                                                                                                                                                                                             |
| BASELINE | (Q-59311-086)THE ELECTRIC MOTOR OF THE AIR COMPRESSOR OF THE SEWAGE DISIPOSAL SYSTEM REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE AIR COMPRESSOR OF THE SEWAGE DISPOSAL SYSTEM IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-59311-087- -SEW COMPR MOT BRG-REPL |         |               | MJC: EXECJB18 |            | Rev Date:         |
| RCM Analysis:                                           |         | Scheduled: N  | Sit Reqs:     | Qty: 3     | Removal Required: |
| Lvl of Maint: 1                                         | Freq: 0 | Equip/Task: 1 | Matl Cost: 78 | ManDays: 2 | Alt No:           |
| Referenced Authority:                                   |         | Repair Pool:  | MCC: 3        |            |                   |

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| Reason:  | Problem Description:                                                                                               | Recommended Solution:                                                                                                                                                                  |
| BASELINE | (Q-59311-087)THE ELECTRIC MOTOR BEARINGS OF THE AIR COMPRESSOR OF THE SEWAGE DISPOSAL SYSTEM REQUIRES REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE AIR COMPRESSOR OF THE SEWAGE DISPOSAL SYSTEM. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO COMPRESSOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-59311-088- -SEW COMMINUTOR MOT-RWND |  |                                                                       |  | MJC: EXECJB19 |  | Rev Date:                                                                                                                                                                |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N                                                          |  | Sit Reqs:     |  | Qty: 3                                                                                                                                                                   |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0                                                               |  | Equip/Task: 1 |  | Matl Cost: 456                                                                                                                                                           |  | ManDays: 16       |  | Alt No: |  |
| Referenced Authority:                                    |  |                                                                       |  | Repair Pool:  |  |                                                                                                                                                                          |  | MCC: 3            |  |         |  |
| Reason:                                                  |  | Problem Description:                                                  |  |               |  | Recommended Solution:                                                                                                                                                    |  |                   |  |         |  |
| BASELINE                                                 |  | (Q-59311-088)THE ELECTRIC MOTOR OF THE COMMINUTOR REQUIRES REWINDING. |  |               |  | REWIND THE ELECTRIC MOTOR OF THE COMMINUTOR IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |  |                   |  |         |  |

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| Task/Abbreviation: Q-59311-089- -SEW COMMINUTOR MOT - RPR |  |              |  | MJC: EXECJB20 |  | Rev Date: 4/8/2010 |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 180     |  | ManDays: 8        |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                 |
| BASELINE | (Q-59311-089)THE ELECTRIC MOTOR OF THE COMMINUTOR REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE COMMINUTOR IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-59311-090- -SEW COMMINUTOR MOT BRG-REPL |         | MJC: EXECJB21 |               | Rev Date:  |                   |
| RCM Analysis:                                                |         | Scheduled: N  | Sit Reqs:     | Qty: 3     | Removal Required: |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 1 | Matl Cost: 90 | ManDays: 2 | Alt No:           |
| Referenced Authority:                                        |         | Repair Pool:  | MCC: 3        |            |                   |

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| Reason:  | Problem Description:                                                            | Recommended Solution:                                                                                                                  |
| BASELINE | (Q-59311-090)THE ELECTRIC MOTOR BEARINGS OF THE COMMINUTOR REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE COMMINUTOR. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-59311-097- -SEW COMMINUTER - REPL |                                                                                 |                                                                                                                                                                                                                                                  | MJC: EXECJE54    |                   | Rev Date: 5/31/2005 |
| RCM Analysis:                                          | Scheduled: N                                                                    | Sit Reqs:                                                                                                                                                                                                                                        | Qty: 3           | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0                                                                         | Equip/Task: 1                                                                                                                                                                                                                                    | Matl Cost: 1,500 | ManDays: 30       | Alt No:             |
| Referenced Authority:                                  |                                                                                 | Repair Pool:                                                                                                                                                                                                                                     | MCC: 2           |                   |                     |
| Reason:                                                | Problem Description:                                                            | Recommended Solution:                                                                                                                                                                                                                            |                  |                   |                     |
| BASELINE                                               | (Q-59311-097)THE COMMINUTER OF THE SEWAGE DISPOSAL SYSTEM REQUIRES REPLACEMENT. | DISCONNECT AND REMOVE THE COMMINUTER OF THE SEWAGE DISPOASAL SYSTEM. ACCOMPLISH SANITARY AND HYGIENIC REQUIREMENTS. INSTALL NEW COMMINUTER AND CONNECT USING NEW BELT, FASTENERS AND FLANGE GASKETS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |                  |                   |                     |

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| Task/Abbreviation: Q-59311-098- -SEW COMMINUTER - RMV/SHIP/INST |              |               | MJC: EXECJE55  |                   | Rev Date: |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 3         | Removal Required: |           |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 923 | ManDays: 20       | Alt No:   |
| Referenced Authority:                                           |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-59311-098)THE COMMINUTER OF THE SEWAGE DISPOSAL SYSTEM REQUIRES REPAIR. | DISCONNECT AND REMOVE THE COMMINUTER OF THE SEWAGE DISPOSAL SYSTEM. ACCOMPLISH SANITARY AND HYGIENIC REQUIREMENTS. PACK, CRATE, AND SHIP TO THE REPAIR FACILITY FOR RECONDITIONING. RECEIVE, INSPECT, INSTALL, AND CONNECT USING NEW BELT, FASTENERS AND FLANGE GASKETS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-59311-099- -SEW COMMINUTER SEALS - REPL |              |               | MJC: EXECJE56  |                   | Rev Date: |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 3         | Removal Required: |           |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 1 | Matl Cost: 365 | ManDays: 4        | Alt No:   |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 2         |                   |           |

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| Reason:  | Problem Description:                                                                        | Recommended Solution:                                                                                                                                                                                                                                                            |
| BASELINE | (Q-59311-099)THE SEALS OF THE COMMINUTER OF THE SEWAGE DISPOSAL SYSTEM REQUIRE REPLACEMENT. | DISCONNECT AND REMOVE THE COMMINUTER OF THE SEWAGE DISPOSAL SYSTEM. OPEN THE CASING. ACCOMPLISH SANITARY AND HYGIENIC REQUIREMENTS. REPLACE SEALS AND O-RINGS. ASSEMBLE. INSTALL AND CONNECT USING NEW FASTENERS AND FLANGE GASKETS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-59311-100- -SEW COMMINUTER BEARINGS - REPL |         | MJC: EXECJE57 |                | Rev Date:  |                   |
| RCM Analysis:                                                   |         | Scheduled: N  | Sit Reqs:      | Qty: 3     | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 1 | Matl Cost: 125 | ManDays: 3 | Alt No:           |
| Referenced Authority:                                           |         | Repair Pool:  |                | MCC: 2     |                   |

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| Reason:  | Problem Description:                                                                    | Recommended Solution:                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-59311-100)THE COMMINUTER BEARINGS OF THE SEWAGE DISPOSAL SYSTEM REQUIRE REPLACEMENT. | DISCONNECT AND REMOVE THE COMMINUTER OF THE SEWAGE DISPOASAL SYSTEM. OPEN THE CASING. ACCOMPLISH SANITARY AND HYGIENIC REQUIREMENTS. REPLACE BEARINGS, SEALS, AND O-RINGS. ASSEMBLE. INSTALL AND CONNECT USING NEW FASTENERS AND FLANGE GASKETS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-59311-101- -SEW COMMINUTER CUTTERS - REPL |         | MJC: EXECJE58 |                  | Rev Date:   |                   |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:        | Qty: 3      | Removal Required: |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 6,123 | ManDays: 12 | Alt No:           |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 2           |             |                   |

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| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-59311-101)THE COMMINUTER CUTTERS OF THE SEWAGE DISPOSAL SYSTEM REQUIRE REPLACEMENT. | DISCONNECT AND REMOVE THE COMMINUTER OF THE SEWAGE DISPOASAL SYSTEM. OPEN THE CASING. ACCOMPLISH SANITARY AND HYGIENIC REQUIREMENTS. REPLACE CUTTERS, BEARINGS, SEALS, AND O-RINGS. ASSEMBLE. INSTALL AND CONNECT USING NEW FASTENERS AND FLANGE GASKETS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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| Task/Abbreviation: Q-59311-102- -SEW COMMINUTER SHAFTS - REPL |         | MJC: EXECJE59 |                | Rev Date:   |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 3      | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 879 | ManDays: 16 | Alt No:           |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2         |             |                   |

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| Reason:  | Problem Description:                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                |
| BASELINE | (Q-59311-102)THE COMMINUTER SHAFTS OF THE SEWAGE DISPOSAL SYSTEM REQUIRE REPLACEMENT. | DISCONNECT AND REMOVE THE COMMINUTER OF THE SEWAGE DISPOASAL SYSTEM. OPEN THE CASING. ACCOMPLISH SANITARY AND HYGIENIC REQUIREMENTS. REPLACE SHAFTS, BEARINGS, SEALS, AND O-RINGS. ASSEMBLE. INSTALL AND CONNECT USING NEW FASTENERS AND FLANGE GASKETS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-59311-103- -SEW COMMINUTER END PL - REPL |         | MJC: EXECJE60 |                | Rev Date:  |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:      | Qty: 3     | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 912 | ManDays: 3 | Alt No:           |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2         |            |                   |

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|----------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-59311-103)THE COMMINUTER END PLATES OF THE SEWAGE DISPOSAL SYSTEM REQUIRE REPLACEMENT. | DISCONNECT AND REMOVE THE COMMINUTER OF THE SEWAGE DISPOASAL SYSTEM. OPEN THE CASING. ACCOMPLISH SANITARY AND HYGIENIC REQUIREMENTS. REPLACE END PLATES, BEARINGS, SEALS, AND O-RINGS. ASSEMBLE. INSTALL AND CONNECT USING NEW FASTENERS AND FLANGE GASKETS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|---------------------------------------------------------------|---------|--------------|-------------------|-------------|-------------------|
| Task/Abbreviation: Q-59311-113- -SEW XFR PMP MECH SEAL - REPL |         |              | MJC: EXECJCU6     |             | Rev Date:         |
| RCM Analysis:                                                 |         | Scheduled: N | Sit Reqs:         | Qty:        | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task:  | Matl Cost: 10,132 | ManDays: 10 | Alt No:           |
| Referenced Authority:                                         |         | Repair Pool: | MCC: 2            |             |                   |

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|----------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                              |
| BASELINE | (Q-59311-113)THE TRANSFER PUMP (CLOSE COUPLED) MECHANICAL SEAL REQUIRES REPLACEMENT. | REPLACE THE PUMP (CLOSE COUPLED) MECHANICAL SEAL. ASSEMBLE UNIT USING NEW GASKETS AND SEALS. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. |

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|----------------------------------------------------------------|--------------|--------------|----------------|-------------------|-----------|
| Task/Abbreviation: Q-59311-114- -SEW XFR PMP WEAR RINGS - REPL |              |              | MJC: EXECJCU7  |                   | Rev Date: |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:    | Qty:           | Removal Required: |           |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task:  | Matl Cost: 786 | ManDays: 8        | Alt No:   |
| Referenced Authority:                                          |              | Repair Pool: | MCC: 2         |                   |           |

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|----------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-59311-114)THE CENTRIFUGAL TRANSFER PUMP (CLOSE COUPLED) WEARING RINGS, SEAL REQUIRE REPLACEMENT. | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. A. MACHINE AND FIT WEARING RINGS (IF REQUIRED). B. POLISH SURFACES IN WAY OF SLEEVES, SEALS AND BUSHINGS. C. CONDUCT A VIBRATION TEST. D. CONDUCT FLOW TEST. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST- REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PMP ALIGNMENT. ACCOMPLISH SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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|------------------------------------------------------------|--------------|--------------|----------------|-------------------|-----------|
| Task/Abbreviation: Q-59311-115- -SEW XFR PMP RT ASSY - RPR |              |              | MJC: EXECJCU8  |                   | Rev Date: |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:    | Qty:           | Removal Required: |           |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task:  | Matl Cost: 567 | ManDays: 16       | Alt No:   |
| Referenced Authority:                                      |              | Repair Pool: | MCC: 2         |                   |           |

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|----------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-59311-115)THE CENTRIFUGAL TRANSFER PUMP (CLOSE COUPLED) ROTATING ASSEMBLY REQUIRES REPAIR. | REMOVE THE PUMP (CLOSE-COUPLED) SUCTION CASING. REMOVE ROTATING ASSEMBLY. REMOVE, CLEAN AND INSPECT ALL COMPONENTS. RECORD CLEARANCES AND RUNOUTS. REPAIR PER CONDITION ASSESSMENT RECOMMENDATIONS. STRAIGHTEN MOTOR SHAFT TO REQUIRED TIR. REPLACE SHAFT SLEEVE. REPLACE IMPELLER (OEM OR COMPOSITE) OR MACHINE IMPELLER TO REQUIRED DIMENSIONS AND FIT KEY. DYNAMICALLY BALANCE ROTATING ASSEMBLY. REASSEMBLE UNIT USING NEW GASKETS, BUSHINGS, BEARINGS, AND SEALS OR PACKING. RECORD POST-REPAIR CLEARANCES AND RUNOUTS. ENSURE DRIVER TO PUMP ALIGNMENT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT 503-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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**Task/Abbreviation:** I-59311-127- -CHT SYS PIPING- MRC G1H3**MJC:** EXECIAJ2**Rev Date:** 6/29/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** TBD**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-59311-127)THE SEWAGE AND WASTE WATER  
POLLUTION CONTROL SYSTEM PIPING REQUIRES  
ASSESSMENT.**Recommended Solution:**ACCOMPLISH THE SEWAGE AND WASTE WATER POLLUTION  
CONTROL SYSTEM PIPING ASSESSMENT IN ACCORDANCE WITH  
MRC G1H3 AS FOLLOWS: 1. CONDUCT ASSESSMENT PROCEDURE  
FOR ULTRASONIC TESTING OF PIPING SYSTEMS. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-59311-131- -POLL CONT SYS AIRFLOW-MRC G1D8**MJC:** EXECIAJ6**Rev Date:** 8/1/2005**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:**

BASELINE

**Problem Description:**

(I-59311-131)THE POLLUTION CONTROL SYSTEM COMPARTMENT AIRFLOW ALARM REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE POLLUTION CONTROL SYSTEM COMPARTMENT AIRFLOW ALARM TEST IN ACCORDANCE WITH MRC G1D8 AS FOLLOWS: 1. PERFORM VCHT/CHT PUMP ROOM/COMPARTMENT AIRFLOW ALARM TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-59311-132- -CHT PMP, COMM, VLVS- MRC G1D6 |  |              | MJC: EXECIAJ7 |               | Rev Date: 1/4/2006 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                                        |  | Scheduled: N |               | Sit Reqs:     |                    | Qty: TBD   | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                |  | Freq: 0      |               | Equip/Task: 1 |                    | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                          |  |              | Repair Pool:  |               |                    | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-59311-132)THE CHT SYSTEM SEWAGE PUMP, COMMUNOTOR, AND VALVES REQUIRE ASSESSMENT. | ACCOMPLISH THE CHT SYSTEM SEWAGE PUMP, COMMUNOTOR, AND VALVES ASSESSMENT IN ACCORDANCE WITH MRC G1D6 AS FOLLOWS: 1. TEST OPERATE SYSTEM VALVES. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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|--------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-59311-144- -CHT EQPT VIB TST - MRC G1P1 |              |               | MJC: EXECIGJ4 |                   | Rev Date: 2/29/2008 |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-59311-144)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: A-59311-166- -AER LHA1-02002 - ACCOMP |              |               | MJC: EXT YA950    |                   | Rev Date: 12/10/2007 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 1            | Removal Required: |                      |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 35,700 | ManDays: 256      | Alt No: TYLHA 02002  |
| Referenced Authority:                                    |              | Repair Pool:  | MCC: 2            |                   |                      |

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|----------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                     |
| BASELINE | (A-59311-166) AER LHA1-02002, DEDICATED CHT XFER PPG, NOT ACCOMPLISHED | ACCOMPLISH AER LHA1-02002 WHICH INSTL DEDICATED CHT XFER PPG FROM AFT TO FWD CHT PMP RM. REF: LHA-5-005-01IECE. POC, JOHNNIE DIGGS, 757-445-5708, JOHNNIE.DIGGS@NAVY.MIL. |

|                                                     |  |              |               |               |                     |            |                   |            |         |  |
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| Task/Abbreviation: Q-59311-A01- -CHT PIPING RPR/RPL |  |              | MJC: EXECIKI2 |               | Rev Date: 6/29/2011 |            |                   |            |         |  |
| RCM Analysis: 7/12/2004                             |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: TBD   | Removal Required: |            |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 3 | Alt No: |  |
| Referenced Authority:                               |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                                                           | Recommended Solution:                                                                                                                                    |
| BASELINE | (Q-59311-A01) CHT SYSTEM PIPING REQUIRES REPLACEMENT PER CONDITION ASSESSMENT. | BASED ON CONDITION ASSESSMENT, REMOVE DESIGNATED SECTIONS(S) OF DEFECTIVE /DETERIORATED CHT SYSTEM PIPING, REPLACE AND TEST PIPING IAW NSTM CHAPTER 505. |

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**Task/Abbreviation:** I-59321-001- -OW SEP - INSP**MJC:** EXECI417**Rev Date:** 5/7/2003**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 2**Removal Required:** YES**Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 2**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-59321-001)OILY WASTE SEPARATOR AND  
ASSOCIATED EQUIPMENT REQUIRES INSPECTIONINSPECT AND OPERATIONALLY-TEST THE OILY WASTE SEPARATOR.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. INCLUDE: A. THE  
SEPARATOR PUMP AND MOTOR. B. SEPARATOR TANKS. C.  
ALARMS, SENSORS, CONTROLS, AND TIMING DEVICES. D. VALVES  
AND VALVE REMOTE OPERATING GEAR. NOTE: NOT ALL  
COMPONENTS APPLY TO ALL CLASSES. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

|                                               |  |                                                        |  |               |  |                                                                                                                                                                                                                                                                             |  |                       |  |         |  |
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| Task/Abbreviation: Q-59321-005- -OW SEP - RPR |  |                                                        |  | MJC: EXECQBM0 |  | Rev Date: 12/17/2004                                                                                                                                                                                                                                                        |  |                       |  |         |  |
| RCM Analysis:                                 |  | Scheduled: N                                           |  | Sit Reqs:     |  | Qty: 2                                                                                                                                                                                                                                                                      |  | Removal Required: YES |  |         |  |
| Lvl of Maint: 1                               |  | Freq: 0                                                |  | Equip/Task: 1 |  | Matl Cost: 450                                                                                                                                                                                                                                                              |  | ManDays: 10           |  | Alt No: |  |
| Referenced Authority:                         |  |                                                        |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                             |  | MCC: 2                |  |         |  |
| Reason:                                       |  | Problem Description:                                   |  |               |  | Recommended Solution:                                                                                                                                                                                                                                                       |  |                       |  |         |  |
| BASELINE                                      |  | (Q-59321-005)THE OILY WASTE SEPARATOR REQUIRES REPAIR. |  |               |  | REPAIR OILY WASTE SEPARATOR BASED ON CONDITION BASED ASSESSMENT. INCLUDING: A. THE SEPARATOR PUMP AND MOTOR. B.SEPARATOR TANKS. C. ALARMS, SENSORS, CONTROLS, AND TIMING DEVICES. D. VALVES AND VALVE REMOTE OPERATING GEAR. NOTE: NOT ALL COMPONENTS APPLY TO ALL CLASSES. |  |                       |  |         |  |

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| Task/Abbreviation: Q-59321-044- -OW XFR PMP MOT-RWND |              |               | MJC: EXECJB49  |                   | Rev Date: |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 324 | ManDays: 12       | Alt No:   |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                       | Recommended Solution:                                                                                                                                                             |
| BASELINE | (Q-59321-044)THE ELECTRIC MOTOR OF THE OILY WASTE SYSTEM TRANSFER PUMP REQUIRES REWINDING. | REWIND THE ELECTRIC MOTOR OF THE OILY WASTE SYSTEM TRANSFER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-33. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-59321-045- -OW XFR PMP MOT-RPR |              |               | MJC: EXECJB50  |                   | Rev Date: |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: 4         | Removal Required: |           |
| Lvl of Maint: 1                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 156 | ManDays: 7        | Alt No:   |
| Referenced Authority:                               |              | Repair Pool:  | MCC: 3         |                   |           |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                                                                          |
| BASELINE | (Q-59321-045)THE ELECTRIC MOTOR OF THE OILY WASTE SYSTEM TRANSFER PUMP REQUIRES RECONDITIONING. | RECONDITION THE ELECTRIC MOTOR OF THE OILY WASTE SYSTEM TRANSFER PUMP IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-17. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. NOTE: USE SWT (300-50) FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: Q-59321-046- -OW XFR PMP MOT BRG-REPL |         |               | MJC: EXECJB51 |            | Rev Date:         |
| RCM Analysis:                                            |         | Scheduled: N  | Sit Reqs:     | Qty: 4     | Removal Required: |
| Lvl of Maint: 1                                          | Freq: 0 | Equip/Task: 1 | Matl Cost: 78 | ManDays: 2 | Alt No:           |
| Referenced Authority:                                    |         | Repair Pool:  | MCC: 3        |            |                   |

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| Reason:  | Problem Description:                                                                                 | Recommended Solution:                                                                                                                                               |
| BASELINE | (Q-59321-046)THE ELECTRIC MOTOR BEARINGS OF THE OILY WASTE SYSTEM TRANSFER PUMP REQUIRE REPLACEMENT. | DISASSEMBLE THE ELECTRIC MOTOR OF THE OILY WASTE SYSTEM TRANSFER PUMP. REPLACE BEARINGS. ASSEMBLE. ALIGN MOTOR TO PUMP. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |



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|------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-59321-050- -OW SEP TK - CLN/RPR |              |               | MJC: EXECJE64  |                   | Rev Date: 5/19/2005 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 542 | ManDays: 34       | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                        |
| BASELINE | (Q-59321-050)THE TANK OF THE OILY WASTE SEPARATOR SYSTEM REQUIRES CLEANING AND REPAIR. | DISCONNECT, OPEN, AND INSPECT THE TANK OF THE OILY WASTE SEPARATOR SYSTEM. DISASSEMBLE TANK. CLEAN TANK. REPAIR/REPLACE SENSORS. REPLACE ZINCS. ASSEMBLE TANK USING NEW GASKETS. CONNECT USING NEW GASKETS AND FLANGE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-------------------------------------------------------------|--------------|---------------|----------------|-------------------|---------------------|
| Task/Abbreviation: Q-59321-051- -OW SEP MAIN CONT PNL - RPR |              |               | MJC: EXECJE65  |                   | Rev Date: 5/19/2005 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2         | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10       | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 2         |                   |                     |

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| Reason:  | Problem Description:                                                                           | Recommended Solution:                                                                                                                                                                                                                   |
| BASELINE | (Q-59321-051)THE MAIN CONTROL PANEL OF THE OILY WASTE SEPARATOR SYSTEM REQUIRES RECONDITIOING. | DISCONNECT, REMOVE, OPEN, AND INSPECT THE MAIN CONTROL PANEL OF THE OILY WASTE SEPARATOR SYSTEM. RECONDITION THE PANEL IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-16. INSTALL AND CONNECT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|----------------------------------------------------------------|---------|---------------|----------------|-------------|---------------------|
| Task/Abbreviation: Q-59321-052- -OW SEP REMOTE ALARM PNL - RPR |         |               | MJC: EXECJE66  |             | Rev Date: 5/19/2005 |
| RCM Analysis:                                                  |         | Scheduled: N  | Sit Reqs:      | Qty: 2      | Removal Required:   |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 1 | Matl Cost: 450 | ManDays: 10 | Alt No:             |
| Referenced Authority:                                          |         | Repair Pool:  | MCC: 2         |             |                     |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                                                                   |
| BASELINE | (Q-59321-052)THE REMOTE ALARM PANEL OF THE OILY WASTE SEPARATOR SYSTEM REQUIRES RECONDITIONING. | DISCONNECT, REMOVE, OPEN, AND INSPECT THE REMOTE ALARM PANEL OF THE OILY WASTE SEPARATOR SYSTEM. RECONDITION THE PANEL IN ACCORDANCE WITH NAVSEA STANDARD ITEM 009-16. INSTALL AND CONNECT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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| Task/Abbreviation: Q-59321-053- -OW SEP MOTOR - REPL |  |              |  | MJC: EXECJE67 |  | Rev Date:      |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 3         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 450 |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |                |  | MCC: 3            |  |         |  |

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|----------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                            | Recommended Solution:                                                                                                                                                |
| BASELINE | (Q-59321-053)THE MOTOR OF THE OILY WASTE SEPARATOR SYSTEM REQUIRES REPLACEMENT. | DISCONNECT AND REMOVE THE MOTOR FROM THE OILY WASTE SEPARATOR SYSTEM. INSTALL NEW MOTOR AND CONNECT. REPLACE DRIVE BELT. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

|                                                           |  |                     |  |                      |  |                            |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> Q-59321-054- -OW SEP PUMP - RPR |  |                     |  | <b>MJC:</b> EXECJE68 |  | <b>Rev Date:</b> 5/19/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                      |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                    |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,600    |  | <b>ManDays:</b> 50       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                              |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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|----------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                                               | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                              |
| BASELINE       | (Q-59321-054)THE PUMP OF THE OILY WASTE SEPARATOR SYSTEM REQUIRES REPAIR. | DISCONNECT AND REMOVE THE PUMP FROM THE OILY WASTE SEPARATOR SYSTEM. OPEN AND INSPECT. DISASSEMBLE. REPLACE CONNECTING ROD, BEARINGS, AND SEALS. ASSEMBLE USING NEW PACKING. INSTALL PUMP AND CONNECT USING NEW GASKETS AND FLANGE FASTENERS. ACCOMPLISH A SATISFACTORY OPERATIONAL TEST. |

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|-------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-59321-083- -OW PMPS VIB TST - MRC G1P1 |              |               | MJC: EXECIGJ6 |                   | Rev Date: 2/29/2008 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                             | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-59321-083)ACQUISITION OF MACHINERY VIBRATION DATA IS REQUIRED. | ACCOMPLISH MACHINERY VIBRATION DATA ACQUISITION IN ACCORDANCE WITH MRC G1P1 AS FOLLOWS: 1. MACHINERY VIBRATION DATA ACQUISITION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-59321-102- -OIL CONTENT MONITOR - MRC A5A9 |              | MJC: EXECIIF2 | Rev Date: 4/3/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: Y | Sit Reqs:     | Qty: 2             | Removal Required: |         |
| Lvl of Maint: 3                                                 | Freq: 30     | Equip/Task: 1 | Matl Cost:         | ManDays: 1        | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3        |                    |                   |         |

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| Reason:  | Problem Description:                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                  |
| BASELINE | (I-59321-102)THE ET-35N OIL CONTENT MONITOR NOZZLE SAMPLER REQUIRES CLEAN AND INSPECT. | ACCOMPLISH CLEAN AND INSPECT OF OIL CONTENT MONITOR NOZZLE SAMPLER IN ACCORDANCE WITH MRC A5A9. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|---------------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: I-59321-103- -C-50 OW SEP OPTEST- MRC A5B7 |              |               | MJC: EXECIIF3 |                   | Rev Date: 11/2/2009 |
| RCM Analysis:                                                 | Scheduled: Y | Sit Reqs:     | Qty: 2        | Removal Required: |                     |
| Lvl of Maint: 3                                               | Freq: 30     | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-59321-103)THE C-50 OIL/WATER SEPARATOR REQUIRES OPERATIONAL TEST. | ACCOMPLISH THE OIL/WATER SEPARATOR ASSESSMENT IN ACCORDANCE WITH MRC A5B7 AS FOLLOWS: 1. PERFORM C-50 OIL/WATER SEPARATOR OPERATIONAL/CONFIDENCE TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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**Task/Abbreviation:** I-59321-104- -C-50 OW SEP VAC LEAKS-MRC A5C3**MJC:** EXECIIF4**Rev Date:** 11/2/2009**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 30**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-59321-104)THE C-50 OIL/WATER SEPARATOR  
REQUIRES PRESSURE AND VACUUM LEAK  
ASSESSMENT.ACCOMPLISH THE OIL/WATER SEPARATOR ASSESSMENT IN  
ACCORDANCE WITH MRC A5C3 AS FOLLOWS: 1. INSPECT C-50  
OIL/WATER SEPARATOR FOR PRESSURE AND VACUUM LEAKS.  
REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE  
"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION  
OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW  
NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-59321-107- -C-50 OW SEP CAM ADJ - MRC C6HW |          |               | MJC: EXECIIF7 |            | Rev Date: 11/2/2009 |
| RCM Analysis:                                                   |          | Scheduled: Y  | Sit Reqs:     | Qty: 2     | Removal Required:   |
| Lvl of Maint: 3                                                 | Freq: 30 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No:             |
| Referenced Authority:                                           |          | Repair Pool:  | MCC: 3        |            |                     |

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| Reason:  | Problem Description:                                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-59321-017)THE C-50 OIL AND WATER EFFLUENT MOTOR OPERATED VALVE CAMS REQUIRE ADJUSTMENT. | ACCOMPLISH THE C-50 OW SEPARATOR OIL AND WATER EFFLUENT MOTOR OPERATED VALVE CAM ADJUSTMENTS IN ACCORDANCE WITH MRC C6HW. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-59321-109- -C-50 OW SEP PMP SUC - MRC F3WS**MJC:** EXECIIF9**Rev Date:** 11/2/2009**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 30**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-59321-109)THE C-50 OIL/WATER SEPARATOR  
PUMP REQUIRES ASSESSMENT.ACCOMPLISH THE OIL/WATER SEPARATOR ASSESSMENT IN  
ACCORDANCE WITH MRC F3WS AS FOLLOWS: 1. TEST C-50  
OIL/WATER SEPARATOR (OWS) PUMP SUCTION. REPORT  
CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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**Task/Abbreviation:** I-59321-114- -OIL POLLUTION ABATEMENT CERT**MJC:** EXECIIS9**Rev Date:** 5/7/2010**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 60**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-59321-114)OIL POLLUTION ABATEMENT  
CERTIFICATION IS REQUIRED.ACCOMPLISH OIL POLLUTION ABATEMENT CERTIFICATION IAW  
NAVSEAINST 9593.2 SERIES. DOCUMENT ALL DISCREPANCIES IN  
THE SHIP'S CSMP. ENTER THIS JSN IN ALL REPAIR 2KILOS. ADD  
CERTIFICATION CRITICAL STATEMENT TO REPAIR 2KILO BLOCK 35  
FOR ALL CERTIFICATION CRITICAL FINDINGS. THIS JOB IS NOT TO  
BE CLOSED UNTIL ALL CERTIFICATION REQUIREMENTS HAVE BEEN  
MET. REPORT COMPLETION OF ALL  
REQUIREMENTS/CERTIFICATION TO  
SURFMEPP.SYSTEMSENGINEERING@NAVY.MIL AND TYCOM PER  
NAVSEAINST 9593.2. PROVIDE "AS-FOUND MATERIAL CONDITION"  
CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN"  
FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-59321-115- -MEGATOR OW XFR PMP - MRC F3PD |          | MJC: EXTAAAA2 |            | Rev Date: 11/6/2009 |                   |
| RCM Analysis:                                                  |          | Scheduled: Y  | Sit Reqs:  | Qty: 0              | Removal Required: |
| Lvl of Maint: 3                                                | Freq: 30 | Equip/Task: 0 | Matl Cost: | ManDays: 1          | Alt No:           |
| Referenced Authority:                                          |          | Repair Pool:  | MCC: 3     |                     |                   |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-59321-115)THE MEGATOR OILY WASTE TRANSFER PUMP REQUIRES ASSESSMENT. | ACCOMPLISH THE OILY WASTE TRANSFER PUMP ASSESSMENT IN ACCORDANCE WITH MRC F3PD AS FOLLOWS: 1. TEST MEGATOR OILY WASTE TRANSFER (OWT) PUMP SUCTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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|-----------------------------------------------|--------------|---------------|------------------|-------------------|----------------------|
| Task/Abbreviation: Q-59331-014- -PULPER - RPR |              |               | MJC: EXECJA90    |                   | Rev Date: 10/21/2005 |
| RCM Analysis:                                 | Scheduled: N | Sit Reqs:     | Qty: 6           | Removal Required: |                      |
| Lvl of Maint: 2                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,875 | ManDays: 68       | Alt No:              |
| Referenced Authority:                         |              | Repair Pool:  | MCC: 2           |                   |                      |

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| Reason:  | Problem Description:                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (Q-59331-014) THE PULPER REQUIRES REPAIR. | REPAIR BASED ON CONDITION ASSESSMENT THE PULPER. SECURE SHIPS SERVICE AIR, AND POWER. INSPECT THE SW WTR SUPPLY AND RETURN HOSES FOR DAMAGED HOSE AND FTGS. INSPECT THE CONTROL ENCLOSURE FOR DAMAGE. REPORT CONDITIONS FOUND TO THE NSA. REPLACE PULPER FROM SUPPLY. DISCONNECT AND REMOVE THE PULPER. PACKAGE AND RETURN THE PULPER TO THE DEPOT OVHL POINT (DOP). IF NECESSARY, THE ACCOMPLISHING ACTIVITY IS TO FABRICATE SW HOSES, AND REPAIR OR REPLACE CONTROL ENCLOSURE. CLEAN AND PRESERVE THE PULPER FDN. VERIFY THAT THE INSTALLED FDN FOR THE PULPER WILL ACCOMMODATE THE PULPER PROVIDED BY SUPPLY. CLEAN AND PRESERVE THE PULPER FDN. VERIFY DISTRIBUTIVE SYSTEM INTERFACE REQUIREMENTTS IAW APPLICABLE NAVSEA TM. REINSTALL AND TEST THE PULPER. NOTE: REPAIR/REPLACE PULPER IAW APPLICABLE NAVSEA TM. REPORT ALL FINDINGS AND RESULTS TO SHIP'S CSMP. |

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| Task/Abbreviation: Q-59331-015- -SOLID WSTE SHREDDER - RPR |              |               | MJC: EXECJA95    |                   | Rev Date: 10/21/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 6           | Removal Required: |                      |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,510 | ManDays: 60       | Alt No:              |
| Referenced Authority:                                      |              | Repair Pool:  | MCC: 2           |                   |                      |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (Q-59331-015)THE SOLID WASTE SHREDDER REQUIRES REPAIR. | REPAIR BASED ON CONDITION ASSESSMENT THE SOLID WASTE SHREDDER. SECURE SHIPS POWER. INSPECT THE MN SW (S1) FOR DAMAGE. REPORT CONDITIONS FOUND TO THE NSA. REPLACE SOLID WASTE SHREDDER FROM SUPPLY. DISCONNECT AND REMOVE THE SOLID WASTE SHREDDER. PACKAGE AND RETURN THE SOLID WASTE SHREDDER TO THE DEPOT OVHL POINT (DOP). IF NECESSARY, THE ACCOMPLISHING ACTIVITY IS TO REPAIR OR REPLACE THE MN SW (S1). CLEAN AND PRESERVE THE SOLID WASTE SHREDDER FDN. VERIFY THAT THE INSTALLED FDN FOR THE SOLID WASTE SHREDDER WILL ACCOMMODATE THE SOLID WASTE SHREDDER PROVIDED BY SUPPLY. CLEAN AND PRESERVE THE PULPER FDN. VERIFY DISTRIBUTIVE SYSTEM INTERFACE REQUIREMENTS IAW APPLICABLE NAVSEA TM. REINSTALL AND TEST THE SOLID WASTE SHREDDER NOTE: REPAIR/REPLACE SOLID WASTE SHREDDER IAW APPLICABLE NAVSEA TM. |

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| Task/Abbreviation: I-59331-036- -PLASTIC WASTE SHREDDER - INSP |              |               | MJC: EXECIHE5 |                   | Rev Date: 6/12/2008 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 0        | Removal Required: |                     |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 0 | Matl Cost:    | ManDays: 2        | Alt No:             |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (I-59331-036)THE PLASTIC WASTE SHREDDER<br>REQUIRES INSPECTION AND OPERATIONAL TEST | INSPECT AND OPERATIONALLY-TEST THE PLASTIC WASTE<br>SHREDDER. ACCOMPLISH AN ELECTRICAL SIGNATURE ANALYSIS<br>(ESA) SURVEY. REPORT CONDITIONS FOUND TO SHIP'S CSMP.<br>INCLUDE: A. INSPECT THE PLASTIC WASTE SHREDDER. B. INSPECT<br>MAIN SWITCH (S1) FOR DAMAGE. PROVIDE "AS-FOUND MATERIAL<br>CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION<br>TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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|-------------------------------------------------------------|--------------|---------------|----------------|-------------------|---------|
| Task/Abbreviation: Q-61221-002- -FLT DK SAF NETS - RPR/REPL |              | MJC: OXECQ015 | Rev Date:      |                   |         |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: TBD       | Removal Required: |         |
| Lvl of Maint: 2                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 675 | ManDays: 15       | Alt No: |
| Referenced Authority:                                       | Repair Pool: | MCC: 2        |                |                   |         |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                           |
| BASELINE | (Q-61221-002)SAFETY NETS REQUIRE REPLACEMENT | REPAIR/REPLACE THE FLIGHT DECK SAFETY NETS AND FRAMES. PRESERVE FRAMES AND FERROUS MATERIAL WITH WIRE SPRAYED ALUMINUM OR OTHER APPROVED COATING. LOAD TEST REPAIRED/REPLACED ITEMS. NOTE: SUPSHIP UTILIZE SWI/SWT 612-01, SAFETY NET AND FRAME; REPAIR , FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| <b>Task/Abbreviation:</b> A-61221-007- -AER LHA1-00402 - ACCOMP |  |                                                                              |  | <b>MJC:</b> EXERA001 |  | <b>Rev Date:</b>                                                            |  |                          |  |                            |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N                                                          |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                                               |  | <b>Removal Required:</b> |  |                            |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0                                                               |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 15,000                                                    |  | <b>ManDays:</b> 30       |  | <b>Alt No:</b> TYLHA 00402 |  |
| <b>Referenced Authority:</b>                                    |  |                                                                              |  | <b>Repair Pool:</b>  |  |                                                                             |  | <b>MCC:</b> 3            |  |                            |  |
| <b>Reason:</b>                                                  |  | <b>Problem Description:</b>                                                  |  |                      |  | <b>Recommended Solution:</b>                                                |  |                          |  |                            |  |
| BASELINE                                                        |  | (A-61221-7) AER LHA1 00402, SAFETY NETS IN PMP RM ACCESSES, NOT ACCOMPLISHED |  |                      |  | ACCOMPLISH AER LHA1 00402 WHICH REDUCES A SAFETY HAZARD IN PMP RM ACCESSES. |  |                          |  |                            |  |

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|---------------------------------------------------------------|---------|---------------|---------------|-------------|-----------------------|
| Task/Abbreviation: D-61221-010- -SHIPALT LHA1-70400D - ACCOMP |         |               | MJC: EXSAD594 |             | Rev Date: 2/28/2008   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:     | Qty: 1      | Removal Required:     |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 10 | ManDays: 10 | Alt No: SALHA 70400 D |
| Referenced Authority:                                         |         | Repair Pool:  | MCC: 2        |             |                       |

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| Reason:  | Problem Description:                                                              | Recommended Solution:                                                                                                                                                                                                  |
| BASELINE | (D-61221-10) SHIPALT LHA1-70400D, SAFETY NETS IN CARG HOLD 5&10, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-70400D WHICH RELOCATES THE TOP EXISTING SAFETY NET IN CARGO HOLD 5&10 ACCESS TRUNKS AND INSTALLS A NEW SAFETY NET AT THE LOWER LEVEL. POC: ANTHONY VENTI, 215-897-7781, ANTHONY.VENTI@NAVY.MIL |

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**Task/Abbreviation:** I-61221-A02- -CRES SAFETY NETS - MRC A5K5**MJC:** OXECI081**Rev Date:** 6/21/2011**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 20**Removal Required:****Lvl of Maint:** 2**Freq:** 36**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-61221-A02)THE DECK EDGE CRES SAFETY NET ASSEMBLY REQUIRES ASSESSMENT.

ACCOMPLISH THE DECK EDGE CRES SAFETY NET ASSEMBLY ASSESSMENT IN ACCORDANCE WITH MRC A5K5 AS FOLLOWS: 1. LOAD TEST DECK EDGE CRES SAFETY NET ASSEMBLY. 2. LOAD TEST CRES FILLER NETS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-62312-001- -GENERAL LADDERS - INSP |         |               | MJC: OXECI016 |            | Rev Date: 8/19/2011 |                   |
| RCM Analysis:                                           |         | Scheduled: N  | Sit Reqs:     |            | Qty: TBD            | Removal Required: |
| Lvl of Maint: 2                                         | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 5 | Alt No:             |                   |
| Referenced Authority:                                   |         | Repair Pool:  | MCC: 1        |            |                     |                   |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                           |
| BASELINE | (I-62312-001)LADDERS REQUIRE INSPECTION AND REPAIR | INSPECT, REPAIR, REMOVE AND REINSTALL INCLINED AND VERTICAL LADDERS. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> Q-62312-002- -CLIMBER RAILS - LD TST |  |                     |  | <b>MJC:</b> OXECI017 |  | <b>Rev Date:</b> 4/13/2006 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> TBD            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 2                                         |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                   |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 1            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                              | <b>Recommended Solution:</b>                                                                                                                                                                                                                              |
| BASELINE       | (Q-62312-002)LADDER CLIMBER SAFETY ASSEMBLY<br>REQUIRES STATIC LOAD TEST | STATIC LOAD TEST LADDER CLIMBER SAFETY ASSEMBLIES.<br>REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE<br>"AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION<br>OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW<br>NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-62321-005- -ACCOM LAD - RPR |  |              |  | MJC: EXECQAV5 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                    |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 2           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                  |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 3,500 |  | ManDays: 50       |  | Alt No: |  |
| Referenced Authority:                            |  |              |  | Repair Pool:  |  |                  |  | MCC: 1            |  |         |  |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (Q-62321-005)ACCOMMODATION LADDER<br>REQUIRES REPAIR | REPAIR THE ACCOMMODATION LADDER PER CONDITION<br>ASSESSMENT RECOMMENDATIONS. ON COMPLETION OF REPAIRS,<br>AS AUTHORIZED FROM THE FOLLOWING LIST, CONDUCT WEIGHT<br>TEST ONLY WHEN MAJOR REPAIRS ARE ACCOMPLISHED. A. CLAD<br>WELD __ INCHES. B. WELD __ FEET OF CRACK. C. REPLACE ____<br>TREADS. D. REPAIR/REPLACE HANDRAIL. E. REPAIR/REPLACE<br>HANDRAIL SUPPORT STANCHION/BRACKET. F. REPLACE ____<br>SECURING PADEYES. G. REFURBISH ROLLER ASSEMBLY. NOTE:<br>SUPSHIP UTILIZE SWI/SWT 623-01, "ACCOMMODATION LADDER;<br>REPAIR" , FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| <b>Task/Abbreviation:</b> Q-62321-010- -ACCOM LAD (TREADS)- RPR |                     |                      | <b>MJC:</b> EXECJ098    |                          | <b>Rev Date:</b> 5/20/2005 |
| <b>RCM Analysis:</b>                                            | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 2           | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 1                                          | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 3,750 | <b>ManDays:</b> 50       | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                    |                     | <b>Repair Pool:</b>  | <b>MCC:</b> 1           |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                             | <b>Recommended Solution:</b>                                                                                                                                                   |
| BASELINE       | (Q-62321-010)ACCOMMODATION LADDER TREADS REQUIRE REPAIR | REPAIR ____ TREADS. ACCOMPLISH WEIGHT TEST UPON COMPLETION OF REPAIRS. NOTE: SUPSHIP UTILIZE SWT 623-01, "ACCOMMODATION LADDER; REPAIR", FOR GUIDANCE IN DEVELOPING THIS ITEM. |



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| Task/Abbreviation: Q-62321-011- -ACCOM LAD (HANDRAIL)- RPR |              |               | MJC: EXECJ099    |                   | Rev Date: 5/20/2005 |
| RCM Analysis:                                              | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                            | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,500 | ManDays: 50       | Alt No:             |
| Referenced Authority:                                      | Repair Pool: | MCC: 1        |                  |                   |                     |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                            |
| BASELINE | (Q-62321-011)ACCOMMODATION LADDER HANDRAIL REQUIRES REPAIR | REPAIR ____ LINEAR FEET OF HANDRAILS. ACCOMPLISH WEIGHT TEST UPON COMPLETION OF REPAIRS. NOTE: SUPSHIP UTILIZE SWT 623-01, "ACCOMMODATION LADDER; REPAIR", FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| Task/Abbreviation: Q-62321-012- -ACCOM LAD (HANDRAIL)- REPL |              |               | MJC: EXECJ100    |                   | Rev Date: 5/20/2005 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,500 | ManDays: 50       | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 1           |                   |                     |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                                                                                             |
| BASELINE | (Q-62321-012)ACCOMMODATION LADDER HANDRAIL REQUIRES REPLACEMENT | REPLACE ____ LINEAR FEET OF HANDRAILS. ACCOMPLISH WEIGHT TEST UPON COMPLETION OF REPAIRS. NOTE: SUPSHIP UTILIZE SWT 623-01, "ACCOMMODATION LADDER; REPAIR", FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| Task/Abbreviation: Q-62321-013- -ACCOM LAD (HANDRAIL STAN)- RPR |              |               | MJC: EXECJ101    |                   | Rev Date: 5/20/2005 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,500 | ManDays: 50       | Alt No:             |
| Referenced Authority:                                           | Repair Pool: | MCC: 1        |                  |                   |                     |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                       |
| BASELINE | (Q-62321-013)ACCOMMODATION LADDER HANDRAIL SUPPORT STANCHION BRACKET REQUIRES REPAIR | REPAIR ____ HANDRAIL SUPPORT STANCHION BRACKETS. ACCOMPLISH WEIGHT TEST UPON COMPLETION OF REPAIRS. NOTE: SUPSHIP UTILIZE SWT 623-01, "ACCOMMODATION LADDER; REPAIR", FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| <b>Task/Abbreviation:</b> Q-62321-014- -ACCOM LAD (HANDRAIL STAN)-REPL |                     |                      | <b>MJC:</b> EXECJ102    |                          | <b>Rev Date:</b> 5/20/2005 |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 2           | <b>Removal Required:</b> |                            |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 3,500 | <b>ManDays:</b> 50       | <b>Alt No:</b>             |
| <b>Referenced Authority:</b>                                           | <b>Repair Pool:</b> | <b>MCC:</b> 1        |                         |                          |                            |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                               | <b>Recommended Solution:</b>                                                                                                                                                                                 |
| BASELINE       | (Q-62321-014)ACCOMMODATION LADDER HANDRAIL SUPPORT STANCHION BRACKET REQUIRES REPLACEMENT | REPLACE ____ HANDRAIL SUPPORT STANCHION BRACKETS. ACCOMPLISH WEIGHT TEST UPON COMPLETION OF REPAIRS. NOTE: SUPSHIP UTILIZE SWT 623-01, "ACCOMMODATION LADDER; REPAIR", FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| Task/Abbreviation: Q-62321-015- -ACCOM LAD (PADEYES)-REPL |         |               | MJC: EXECJ103    |             | Rev Date: 5/20/2005 |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:        | Qty: 2      | Removal Required:   |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 1 | Matl Cost: 3,500 | ManDays: 50 | Alt No:             |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 1           |             |                     |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                                                                                     |
| BASELINE | (Q-62321-015)ACCOMMODATION LADDER PADEYES REQUIRE REPLACEMENT | REPLACE ____ SECURING PADEYES. ACCOMPLISH WEIGHT TEST UPON COMPLETION OF REPAIRS. NOTE: SUPSHIP UTILIZE SWT 623-01, "ACCOMMODATION LADDER; REPAIR", FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| <b>Task/Abbreviation:</b> Q-62321-016- -ACCOM LAD (ROLLER ASSY)- RPR |  |                                                             |  | <b>MJC:</b> EXECJ104 |  | <b>Rev Date:</b> 5/20/2005                                                                                                                                                                     |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N                                         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 2                                                                                                                                                                                  |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0                                              |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 3,500                                                                                                                                                                        |  | <b>ManDays:</b> 50       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                                                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                |  | <b>MCC:</b> 1            |  |                |  |
| <b>Reason:</b>                                                       |  | <b>Problem Description:</b>                                 |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                   |  |                          |  |                |  |
| BASELINE                                                             |  | (Q-62321-016)ACCOMMODATION LADDER<br>REQUIRES REFURBISHMENT |  |                      |  | REFURBISH ROLLER ASSEMBLY. ACCOMPLISH WEIGHT TEST UPON<br>COMPLETION OF REPAIRS. NOTE: SUPSHIP UTILIZE SWT 623-01,<br>"ACCOMMODATION LADDER; REPAIR", FOR GUIDANCE IN<br>DEVELOPING THIS ITEM. |  |                          |  |                |  |

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| Task/Abbreviation: Q-62321-017- -ACCOM LAD (CLAD WELD)- RPR |         |               | MJC: EXECJ105    |             | Rev Date: 5/20/2005 |
| RCM Analysis:                                               |         | Scheduled: N  | Sit Reqs:        | Qty: 2      | Removal Required:   |
| Lvl of Maint: 2                                             | Freq: 0 | Equip/Task: 1 | Matl Cost: 3,500 | ManDays: 50 | Alt No:             |
| Referenced Authority:                                       |         | Repair Pool:  | MCC: 1           |             |                     |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                    |
| BASELINE | (Q-62321-017)ACCOMMODATION LADDER<br>REQUIRES CLAD WELDING | CLAD WELD __ INCHES. ACCOMPLISH WEIGHT TEST UPON<br>COMPLETION OF REPAIRS. NOTE: SUPSHIP UTILIZE SWT 623-01,<br>"ACCOMMODATION LADDER; REPAIR", FOR GUIDANCE IN<br>DEVELOPING THIS ITEM. |

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| Task/Abbreviation: Q-62321-018- -ACCOM LAD (WELD CRACKS)- RPR |  |                                                           | MJC: EXECJ106 |               | Rev Date: 5/20/2005 |                                                                                                                                                                                             |                   |             |         |  |
| RCM Analysis:                                                 |  | Scheduled: N                                              |               | Sit Reqs:     |                     | Qty: 2                                                                                                                                                                                      | Removal Required: |             |         |  |
| Lvl of Maint: 2                                               |  | Freq: 0                                                   |               | Equip/Task: 1 |                     | Matl Cost: 3,500                                                                                                                                                                            |                   | ManDays: 50 | Alt No: |  |
| Referenced Authority:                                         |  |                                                           | Repair Pool:  |               |                     | MCC: 1                                                                                                                                                                                      |                   |             |         |  |
| Reason:                                                       |  | Problem Description:                                      |               |               |                     | Recommended Solution:                                                                                                                                                                       |                   |             |         |  |
| BASELINE                                                      |  | (Q-62321-018)ACCOMMODATION LADDER<br>REQUIRES WELD REPAIR |               |               |                     | WELD __ FEET OF CRACKS. ACCOMPLISH WEIGHT TEST UPON<br>COMPLETION OF REPAIRS. NOTE: SUPSHIP UTILIZE SWT 623-01,<br>"ACCOMMODATION LADDER; REPAIR", FOR GUIDANCE IN<br>DEVELOPING THIS ITEM. |                   |             |         |  |



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**Task/Abbreviation:** I-62321-021- -ACCOM LADDER - MRC A4Z3**MJC:** OXECI059**Rev Date:** 11/2/2010**RCM Analysis:** 9/3/2007**Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 1**Freq:** 36**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**(I-62321-021)THE ACCOMMODATION LADDER  
REQUIRES ASSESSMENT.**Recommended Solution:**(I-62321-021) ACCOMPLISH THE ACCOMMODATION LADDER  
ASSESSMENT IN ACCORDANCE WITH MRC A4Z3 AS FOLLOWS: 1.  
INSPECT LOAD CARRYING ATTACHMENTS AND PERFORM NDT-VT  
ON WELDS ON ACCOMMODATION LADDER COMPONENTS. REPORT  
CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND  
MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE  
"FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST  
4790.8B.

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| Task/Abbreviation: R-62411-001- -BAL JOINER DR - RMV/REINSTALL |              |               | MJC: EXECQ789    |                   | Rev Date: 6/9/2009 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: TBD         | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 1,160 | ManDays: 19       | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 1           |                   |                    |

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| Reason:  | Problem Description:                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (R-62411-001)BALANCED JOINER DOOR REQUIRES INSPECT/TEST, REMOVAL, STORAGE AND REINSTALLATION. | INSPECT AND TEST, PRIOR TO REMOVAL, THE BALANCED JOINER DOOR. REMOVE BALANCED JOINER DOOR AT THE START OF THE AVAILABILITY AND STORE. REINSTALL AND ACCOMPLISH MINOR REPAIRS AND ADJUSTMENTS AT THE END OF THE AVAILABILITY. _____ MANDAYS AND \$ _____ MATERIAL COSTS ARE AUTHORIZED FOR PLANNING PURPOSES. NOTE: UTILIZE SWI/SWT 624-01: "BALANCED JOINER DOORS; REMOVE, STORE AND INSTALL", FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| Task/Abbreviation: Q-63111-001- -MCHRY SPACE BILGE - PSV |  |              |  | MJC: EXECQ976 |  | Rev Date:        |  |                   |  |         |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:     |  | Qty: TBD         |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: 1,800 |  | ManDays: 400      |  | Alt No: |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:  |  |                  |  | MCC: 1            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (Q-63111-001)MACHINERY SPACE BILGE REQUIRES PRESERVATION | PRESERVE THE MACHINERY SPACE BILGE PAINT SYSTEM INCLUDING FRAMES, STRINGERS, STIFFENERS AND MACHINERY FOUNDATIONS, USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. NOTE: 1. PRESERVATION TO BE BASED UPON COATING INSPECTORS RECOMMENDATIONS AND LATEST TYCOM PAINT MESSAGES. 2. SUPSHIP UTILIZE SWI/SWT 631-11, MACHINERY SPACE BILGE PRESERVE, FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| Task/Abbreviation: Q-63111-003- -CCAT - TECH ASSIST |              |               | MJC: EXECQEA0 |                   | Rev Date: 1/22/2010 |
| RCM Analysis:                                       | Scheduled: N | Sit Reqs:     | Qty: TBD      | Removal Required: |                     |
| Lvl of Maint: 3                                     | Freq: 0      | Equip/Task: 1 | Matl Cost: 1  | ManDays: 1        | Alt No:             |
| Referenced Authority:                               | Repair Pool: | MCC: 1        |               |                   |                     |

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| Reason:  | Problem Description:                                                         | Recommended Solution:                                                                                                       |
| BASELINE | (Q-63111-003) S/F REQUIRES TECHNICAL ASSISTANCE FOR PRESERVATION PROCEDURES. | REQUEST TECH ASSIST TO PROVIDE GUIDANCE TO S/F FOR CORROSION CONTROL PROCEDURES (CORROSION CONTROL ASSISTANCE TEAM (CCAT)). |

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| Task/Abbreviation: I-63113-006- -WELL DECK OVERHEAD - INSP |         |               | MJC: EXECI472 |             | Rev Date: 4/24/2008 |                   |
| RCM Analysis:                                              |         | Scheduled: N  | Sit Reqs:     |             | Qty: 1              | Removal Required: |
| Lvl of Maint: 1                                            | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 10 | Alt No:             |                   |
| Referenced Authority:                                      |         | Repair Pool:  | MCC: 1        |             |                     |                   |

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| Reason:  | Problem Description:                                | Recommended Solution:                                                                                                                                                                                                                                                                                         |
| BASELINE | (I-63113-006)WELL DECK OVERHEAD REQUIRES INSPECTION | INSPECT THE WELL DECK OVERHEAD INCLUDING FRAMES, STRINGERS, AND STIFFENERS. UTILIZE PPI NBR: 63101-004-LATEST REV. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: Q-63113-007- -WELL DECK OVERHEAD - PSV |              |               | MJC: EXECQBG7    |                   | Rev Date: 2/5/2004 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                    |
| Lvl of Maint: 1                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 5,000 | ManDays: 100      | Alt No:            |
| Referenced Authority:                                     |              | Repair Pool:  | MCC: 1           |                   |                    |

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| Reason:  | Problem Description:                                  | Recommended Solution:                                                                                                                                                                                                                                                              |
| BASELINE | (Q-63113-007)WELL DECK OVERHEAD REQUIRES PRESERVATION | PRESERVE THE WELL DECK OVERHEAD INCLUDING FRAMES, STRINGERS, AND STIFFENERS USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. NOTE: 1. PRESERVATION TO BE BASED UPON COATING INSPECTIONS RECOMMENDATIONS AND LATEST TYCOM PAINT MESSAGE. 2. USE ONLY NAVSEA APPROVED COATING SYSTEMS |

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| <b>Task/Abbreviation:</b> Q-63131-001- -UW BODY (DD)- PSV |  |                     |  | <b>MJC:</b> OXECQ007 |  | <b>Rev Date:</b> 7/24/2006 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                      |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                    |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 67,500   |  | <b>ManDays:</b> 1500     |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                              |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                        | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE       | (Q-63131-001)UNDERWATER BODY REQUIRES PRESERVATION | PRESERVE UNDERWATER HULL BODY FROM FLAT KEELS TO SIX INCHES ABOVE THE BOOT TOPPING USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. TO INCLUDE BILGE KEELS, RUDDERS, SEA CHESTS, APPENDAGES, FAIRINGS, GRATINGS AND STRUTS. NOTE: 1. PRESERVATION BASED UPON COATING INSPECTORS RECOMMENDATIONS AND LATEST TYCOM PAINT MESSAGES. 2. UTILIZE SWI/SWT 631-01, UNDERWATER HULL PRESERVATION, FOR GUIDANCE IN DEVELOPING THIS ITEM. |

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| <b>Task/Abbreviation:</b> Q-63131-002- -UW BODY (DD) - RPR PAINT SYS |  |                     |                      | <b>MJC:</b> OXECQ012     |                     | <b>Rev Date:</b> 7/24/2006 |                          |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N | <b>Sit Reqs:</b> D/D |                          | <b>Qty:</b> 1       |                            | <b>Removal Required:</b> |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 20,250 | <b>ManDays:</b> 450 | <b>Alt No:</b>             |                          |
| <b>Referenced Authority:</b>                                         |  |                     | <b>Repair Pool:</b>  |                          | <b>MCC:</b> 2       |                            |                          |

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| <b>Reason:</b> | <b>Problem Description:</b>                        | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                           |
| BASELINE       | (Q-63131-002)UNDERWATER BODY REQUIRES PRESERVATION | SPOT BLAST ____ SQUARE FEET AND PRESERVE DESIGNATED AREAS. HYDRO-BLAST THE REMAINING PORTION OF UNDERWATER HULL. PAINT IAW NAVSEA STD WORK ITEM 009-32 AND NSTM 631. NOTE: 1. PRESERVATION, BASED UPON COATING INSPECTIONS RECOMMENDATIONS AND LATEST TYCOM PAINT MESSAGE. 2. USE ONLY NAVSEA APPROVED COATING SYSTEMS |



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| Task/Abbreviation: Q-63141-001- -FREEBOARD - PSV |         |               | MJC: OXECQ008     |              | Rev Date: 1/28/2008 |                   |
| RCM Analysis:                                    |         | Scheduled: N  | Sit Reqs:         |              | Qty: 1              | Removal Required: |
| Lvl of Maint: 1                                  | Freq: 0 | Equip/Task: 1 | Matl Cost: 22,500 | ManDays: 500 | Alt No:             |                   |
| Referenced Authority:                            |         | Repair Pool:  |                   | MCC: 1       |                     |                   |

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| Reason:  | Problem Description:                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (Q-63141-001)FREEBOARD REQUIRES PRESERVATION | PRESERVE THE FREEBOARD SHELL PLATING FROM SIX (6) INCHES BELOW THE TOP OF THE BOOT TOP TO THE WATERWAY BAR/TROUGH OF WEATHER DECK INCLUDING APPENDAGES, USING NAVSEA STANDARD ITEM 009-32 FOR GUIDANCE. CUT-IN AND PAINT HULL MARKINGS AND BOOT TOP. PRESERVE ALL HULL PENETRATIONS TO TWELVE INCHES INTO THE PENETRATION. NOTE: 1. PRESERVATION, BASED UPON COATING INSPECTIONS RECOMMENDATIONS AND LATEST TYCOM PAINT MESSAGE. 2. USE ONLY NAVSEA APPROVED COATING SYSTEMS. |

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| <b>Task/Abbreviation:</b> Q-63311-001-A-UW HULL SACRIFICIAL AD - REPL |  |                     |  | <b>MJC:</b> OXECQ031 |  | <b>Rev Date:</b> 12/16/2004 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> TBD             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 1,000     |  | <b>ManDays:</b> 30       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                             |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                         | <b>Recommended Solution:</b>                                                                                                                                                    |
| BASELINE       | (Q-63311-001)SACRIFICIAL ANODES REQUIRE REPLACEMENT | REPLACE ALL SACRIFICIAL ZINC ANODES ON THE HULL, HULL EXTRUSIONS AND HULL PENETRATIONS (BOW THRUSTER TUNNEL, STERN TUBES), FAIRWATERS, RUDDERS AND STRUTS. REPLACE _____ STUDS. |

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**Task/Abbreviation:** I-63321-001- -ICCP SYS - PRE DRYDOCK ASSESS**MJC:** OXECM004**Rev Date:** 4/4/2008**RCM Analysis:** 8/2/2004**Scheduled:** Y**Sit Reqs:** D/D**Qty:** TBD**Removal Required:****Lvl of Maint:** 3**Freq:** 129**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**

(I-63321-001) THE CATHODIC PROTECTION IMPRESSED CURRENT SYSTEM REQUIRES ASSESSMENT, 6 MONTHS PRIOR TO SCHEDULED DRY DOCK.

**Recommended Solution:**

ACCOMPLISH PRE - DRY DOCK ASSESSMENT ( 6 MONTHS PRIOR TO SCHEDULED DRY DOCK) OF THE CATHODIC PROTECTION, IMPRESSED CURRENT SYSTEM IN ACCORDANCE WITH MRC T1L1 AS FOLLOWS: 1. PERFORM CHECKS ON CATHODIC PROTECTION, IMPRESSED CURRENT (ICCP) SYSTEM. 2. INSPECT MATERIAL CONDITION OF PROPELLER SHAFT GROUNDING ASSEMBLIES. 3. INSPECT INTEGRITY OF RUDDER GROUND STRAPS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

|                                                                           |  |                                    |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> I-63321-002- -ICCP SYS (DD) - VISUAL INSP       |  |                                    |  | <b>MJC:</b> OXECM005 |  | <b>Rev Date:</b> 4/7/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                      |  | <b>Scheduled:</b> Y                |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                    |  | <b>Freq:</b> 129                   |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | <b>ManDays:</b> 5        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                              |  |                                    |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | <b>MCC:</b> 2            |  |                |  |
| NSTM CH-633, PARA. 633-7.2.4 NSTM CH-997, PARA. 997-4.1 GC:286210,MA:1300 |  |                                    |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |  |                |  |
| <b>Reason:</b>                                                            |  | <b>Problem Description:</b>        |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                          |  |                |  |
| BASELINE                                                                  |  | (I-63321-002) NSTM REQUIREMENT DUE |  |                      |  | IAW NSTM CH-633, PARA. 633-7.2.4 & NSTM CH-997, PARA. 997-4.1, DURING DRYDOCK, ACCOMPLISH VISUAL INSPECT OF THE HULL IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM IN ACCORDANCE WITH NSTM CHAPTER 633. TO INCLUDE INSPECTION OF ANODES, DIELECTRIC SHIELDS, REFERENCE CELLS, RUDDER POST AND SHAFT(S) GROUNDING DEVICES FOR PHYSICAL DAMAGE. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                          |  |                |  |

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| Task/Abbreviation: Q-63321-003- -ICCP SYS (DD) - RPR |         |               |                  | MJC: OXECQ009 |         | Rev Date:         |  |
| RCM Analysis:                                        |         | Scheduled: N  | Sit Reqs: D/D    |               | Qty: 1  | Removal Required: |  |
| Lvl of Maint: 1                                      | Freq: 0 | Equip/Task: 1 | Matl Cost: 3,375 | ManDays: 75   | Alt No: |                   |  |
| Referenced Authority:                                |         | Repair Pool:  |                  | MCC: 2        |         |                   |  |

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| Reason:  | Problem Description:                     | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (Q-63321-003)ICCP SYSTEM REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM: REPLACE ____ CAPASTIC/DIELECTRIC SHIELDS. REPAIR/RESTORE ____ CAPASTIC/DIELECTRIC SHIELDS (LIGHTLY BLAST-CLEAN THE ENTIRE SHIELD AREA AND RECOAT WITH 22 MILS OF CAPASTIC MATERIAL. REPAIR ____ SHAFT GROUNDING STRAPS DURING DRY DOCKING OR WATERBORNE. REPLACE ____ SHAFT GROUNDING STRAPS DURING DRY DOCKING OR WATERBORNE. REPLACE ____ ANODES (PLATINUM-PLATED TANTALUM). REPLACE ____ REFERENCE CELLS (SILVER/SILVER CHLORIDE ELEMENTS). PROVIDE ____ MANDAYS AND ____ DOLLARS OF MATERIAL FOR GROOMING AND MINOR REPAIRS NOT PREVIOUSLY IDENTIFIED. |

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| <b>Task/Abbreviation:</b> Q-63321-010- -ICCP SYS (DD) SHIELDS- RPL |  |                     |  | <b>MJC:</b> EXECJAP7 |  | <b>Rev Date:</b> 4/4/2008 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 5,625   |  | <b>ManDays:</b> 75       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                            | <b>Recommended Solution:</b>                                                               |
| BASELINE       | (Q-63321-010)ICCP CAPASTIC SHIELD REQUIRES REPLACEMENT | REPLACE___CAPASTIC/DIELECTRIC SHIELDS OF THE IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM. |

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| <b>Task/Abbreviation:</b> Q-63321-011- -ICCP SYS (DD) SHIELDS- RPR |  |                     |  | <b>MJC:</b> EXECJAP8 |  | <b>Rev Date:</b> 5/20/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 3,375    |  | <b>ManDays:</b> 75       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                       | <b>Recommended Solution:</b>                                                                                                                                                                  |
| BASELINE       | (Q-63321-011)ICCP CAPASTIC SHIELD REQUIRES REPAIR | REPAIR/RESTORE ____ CAPASTIC/DIELECTRIC SHIELDS (LIGHTLY BLAST-CLEAN THE ENTIRE SHIELD AREA AND RECOAT WITH 22 MILS OF CAPASTIC MATERIAL OF THE IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM. |

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| <b>Task/Abbreviation:</b> Q-63321-012- -ICCP SYS (DD) GND STRAPS- RPR |  |                     |  | <b>MJC:</b> EXECJAP9 |  | <b>Rev Date:</b> 5/20/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 5,625    |  | <b>ManDays:</b> 75       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                             | <b>Recommended Solution:</b>                                                                                                                 |
| BASELINE       | (Q-63321-012)ICCP SHAFT GROUNDING STRAPS REQUIRE REPAIR | REPAIR __ SHAFT GROUNDING STRAPS (MAY BE ACCOMPLISHED DURING DRY DOCKING OR WATERBORNE) OF THE IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM. |



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| <b>Task/Abbreviation:</b> Q-63321-013- -ICCP SYS (DD) GND STRAPS- RPL |  |                     |  | <b>MJC:</b> EXECJAQ0 |  | <b>Rev Date:</b>        |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 1           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 3,375 |  | <b>ManDays:</b> 75       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>  |  |                         |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                  | <b>Recommended Solution:</b>                                                                                                                    |
| BASELINE       | (Q-63321-013)ICCP SHAFT GROUNDING STRAPS REQUIRE REPLACEMENT | REPLACE ____ SHAFT GROUNDING STRAPS (MAY BE ACCOMPLISHED DURING DRY DOCKING OR WATERBORNE) OF THE IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM. |

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| <b>Task/Abbreviation:</b> Q-63321-014- -ICCP SYS (DD) ANODES- RPL |  |                                              |  | <b>MJC:</b> EXECJAQ1 |  | <b>Rev Date:</b> 5/23/2005                                                                          |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N                          |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 1                                                                                       |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0                               |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 5,625                                                                             |  | <b>ManDays:</b> 75       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                                              |  | <b>Repair Pool:</b>  |  |                                                                                                     |  | <b>MCC:</b> 2            |  |                |  |
| <b>Reason:</b>                                                    |  | <b>Problem Description:</b>                  |  |                      |  | <b>Recommended Solution:</b>                                                                        |  |                          |  |                |  |
| BASELINE                                                          |  | (Q-63321-014)ICCP ANODES REQUIRE REPLACEMENT |  |                      |  | REPLACE ____ ANODES (PLATINUM-PLATED TANTALUM) OF THE IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM. |  |                          |  |                |  |

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| <b>Task/Abbreviation:</b> Q-63321-015- -ICCP SYS (DD) ANODES- RPR |  |                     |  | <b>MJC:</b> EXECJAQ2 |  | <b>Rev Date:</b> 5/23/2005 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b> D/D |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b> 5,625    |  | <b>ManDays:</b> 75       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>             | <b>Recommended Solution:</b>                                                                                       |
| BASELINE       | (Q-63321-015)ICCP ANODES REQUIRE REPAIR | REPAIR ____ REFERENCE CELLS (SILVER/SILVER CHLORIDE ELEMENTS) OF THE IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM. |

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**Task/Abbreviation:** I-63321-022- -ICCP SYS - PRE DEPLOY ASSESS**MJC:** EXECIAN3**Rev Date:** 4/4/2008**RCM Analysis:** 8/2/2004**Scheduled:** Y**Sit Reqs:****Qty:** TBD**Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**

(I-63321-022) THE CATHODIC PROTECTION, IMPRESSED CURRENT SYSTEM REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH PRE - DEPLOYMENT (APPROXIMATELY 60 DAYS PRIOR TO DEPLOYMENT) ASSESSMENT OF THE CATHODIC PROTECTION, IMPRESSED CURRENT SYSTEM IN ACCORDANCE WITH MRC T1L1 AS FOLLOWS: 1. PERFORM CHECKS ON CATHODIC PROTECTION, IMPRESSED CURRENT (ICCP) SYSTEM. 2. INSPECT MATERIAL CONDITION OF PROPELLER SHAFT GROUNDING ASSEMBLIES. 3. INSPECT INTEGRITY OF RUDDER GROUND STRAPS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-63321-025- -ICCP SYS - POST DRYDOCK (DD)**MJC:** OXECI061**Rev Date:** 9/14/2011**RCM Analysis:** 8/2/2004**Scheduled:** Y**Sit Reqs:** D/D**Qty:** TBD**Removal Required:****Lvl of Maint:** 3**Freq:** 129**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**

(I-63321-025) THE CATHODIC PROTECTION IMPRESSED CURRENT SYSTEM REQUIRES ASSESSMENT, WITHIN ONE MONTH FOLLOWING END OF SCHEDULED DRY DOCK.

**Recommended Solution:**

ACCOMPLISH POST DRYDOCK ASSESSMENT ( WITHIN ONE MONTH FOLLOWING END OF SCHEDULED DRYDOCK) OF THE CATHODIC PROTECTION, IMPRESSED CURRENT SYSTEM IN ACCORDANCE WITH MRC T1L1 AS FOLLOWS: 1. PERFORM CHECKS ON CATHODIC PROTECTION, IMPRESSED CURRENT (ICCP) SYSTEM. 2. INSPECT MATERIAL CONDITION OF PROPELLER SHAFT GROUNDING ASSEMBLIES. 3. INSPECT INTEGRITY OF RUDDER GROUND STRAPS. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: Q-63321-026- -ICCP SYS REFERENCE CELL - RPR |              |               | MJC: EXECQE23 |                   | Rev Date: 3/9/2009 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2        |                   |                    |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (Q-63321-026)ICCP SYSTEM REFERENCE ELECTRODE REQUIRES REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE ICCP SYSTEM REFERENCE SYSTEM ELECTRODE PER CONDITION ASSESSMENT RECOMMENDATIONS: A. REPLACE REFERENCE CELL. B. REPLACE FAIRING. C. REPLACE/TIGHTEN FASTENERS. D. RESTORE ____ SQ. FT. OF COATING. E. REMOVE BIOFOULING. F. CLEAR ACCESS HOLES. DIVERS INSPECTION REPORT AVAILABLE AT WWW._____.COM (REFERENCE JOB NUMBER_____). |

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| Task/Abbreviation: Q-63321-027- -ICCP SYS ANODES - RPR |              |               | MJC: EXECQE25 |                   | Rev Date: 3/9/2009 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 0        | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 2        |                   |                    |

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| Reason:  | Problem Description:                           | Recommended Solution:                                                                                                                                                                                                                                                                                                     |
| BASELINE | (Q-63321-027)ICCP SYSTEM ANODES REQUIRE REPAIR | ACCOMPLISH THE FOLLOWING REPAIRS TO THE ICCP SYSTEM ANODES PER CONDITION ASSESSMENT RECOMMENDATIONS: A. REMOVE FOULING. B. REPLACE FAIRING. C. REPLACE FASTENERS. D. REPAIR SHIELD. E. REPLACE ANODE. F. REINSPECT AT NEXT AVAILABILITY. DIVERS INSPECTION REPORT AVAILABLE AT WWW._____.COM (REFERENCE JOB NUMBER_____). |

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| Task/Abbreviation: A-63411-005- -AER LHA1-01698 - ACCOMP |         |               | MJC: EXTYA666     |               | Rev Date: 3/7/2004  |                   |
| RCM Analysis:                                            |         | Scheduled: N  | Sit Reqs:         |               | Qty: 1              | Removal Required: |
| Lvl of Maint: 1                                          | Freq: 0 | Equip/Task: 1 | Matl Cost: 70,000 | ManDays: 2131 | Alt No: TYLHA 01698 |                   |
| Referenced Authority:                                    |         | Repair Pool:  |                   | MCC: 3        |                     |                   |

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| Reason:  | Problem Description:                                            | Recommended Solution:                                                                                                          |
| BASELINE | (A-63411-5) AER LHA1-01698, SYNTHETIC DECKING, NOT ACCOMPLISHED | ACCOMPLISH AER LHA1-01698 WHICH REPLACES WOOD PLANK WELL DECK DECKING WITH SYNTHETIC SLAG-TYPE UHMW NON-SKID DECKING MATERIAL. |



|                                                      |              |               |                   |                   |                     |
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| Task/Abbreviation: Q-63421-001- -HELICOPTER DK - PSV |              |               | MJC: OXECQ010     |                   | Rev Date: 7/12/2004 |
| RCM Analysis:                                        | Scheduled: N | Sit Reqs:     | Qty: 1            | Removal Required: |                     |
| Lvl of Maint: 1                                      | Freq: 0      | Equip/Task: 1 | Matl Cost: 13,500 | ManDays: 300      | Alt No:             |
| Referenced Authority:                                |              | Repair Pool:  | MCC: 1            |                   |                     |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (Q-63421-001)HELICOPTER/HANGAR DECK<br>REQUIRES PRESERVATION | PRESERVE THE HELICOPTER FLIGHT, HANGAR DECK AND<br>FORWARD VERTREP DECK PER CONDITION ASSESSMENT<br>RECOMMENDATIONS USING NAVSEA STANDARD ITEM 009-32 FOR<br>GUIDANCE. ABRASIVE-BLAST DECK AND APPLY AUTHORIZED<br>NON-SKID COATING. CLEAN "RAST" TRACKS AND CABLE TROUGHS,<br>IF INSTALLED, AFTER ABRASIVE BLASTING. PAINT FLIGHT DECK AND<br>HANGAR MARKINGS. NOTE: RAST SYSTEM TRACK SLOT SEALS<br>AND BELLMOUTH SEALS MUST BE INSTALLED PRIOR TO ABRASIVE<br>BLASTING. IF TRACK PLATES HAVE BEEN REMOVED, WOODEN<br>BLANKS MUST BE INSTALLED. |

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| Task/Abbreviation: R-63511-002- -HULL INSUL - RPR/REPL |              |               | MJC: EXSYR140     |                   | Rev Date: 6/9/2009 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1            | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: 20,000 | ManDays: 50       | Alt No:            |
| Referenced Authority:                                  | Repair Pool: | MCC: 1        |                   |                   |                    |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                           |
| BASELINE | (R-63511-002)MISSING/DAMAGED HULL INSULATION MUST BE REPAIRED OR REPLACED. | REMOVE EXISTING AND INSTALL NEW, AND REPAIR DAMAGED, DETERIORATED OR MISSING HULL INSULATION IN ACCORDANCE WITH SHIPS FORCE PRIORITY LIST UP TO THE LIMIT OF FUNDS ALLOCATED BY TYPE COMMANDER. PROVIDE RESERVATION OF _____ MANDAYS AND \$_____ MATERIAL. NOTE: USE SI 009-11 FOR GUIDANCE IN DEVELOPING SPEC. |

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| <b>Task/Abbreviation:</b> A-63511-003- -AER LHA1-01995 - ACCOMP |  |                     |  | <b>MJC:</b> EXTYA242 |  | <b>Rev Date:</b> 3/7/2004 |  |                          |  |                            |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1             |  | <b>Removal Required:</b> |  |                            |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 100      |  | <b>Alt No:</b> TYLHA 01995 |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>  |  |                           |  | <b>MCC:</b> 3            |  |                            |  |

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|----------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>             | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                           |
| BASELINE       | (A-63511-3) TYCOM AUTHORIZED ALTERATION | ACCOMPLISH AER LHA1-01995E "INSULATION ADJACENT TO UPTAKES" WHICH IMPROVES INSULATION ON BULKHEADS ADJACENT TO UPTAKES AND AIR CONDITIONED SPACES TO REDUCE DEMAND ON THE CHILLED WATER SYSTEM BY INSTALLING AN ADDITIONAL 2 INCHES OF INSULATION ON ALL BULKHEADS LOCATED IN THE AIR CONDITIONED COMPARTMENTS AND ALL PASSAGEWAYS DIRECTLY ADJACENT TO UPTAKE SPACES. |

|                                                          |  |              |  |                |  |                    |  |                   |  |                     |  |
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| Task/Abbreviation: A-63511-004- -AER LHA1-02995 - ACCOMP |  |              |  | MJC: EXT YA245 |  | Rev Date: 3/7/2004 |  |                   |  |                     |  |
| RCM Analysis:                                            |  | Scheduled: N |  | Sit Reqs:      |  | Qty: 1ER           |  | Removal Required: |  |                     |  |
| Lvl of Maint: 1                                          |  | Freq: 0      |  | Equip/Task: 1  |  | Matl Cost: 1,500   |  | ManDays: 65       |  | Alt No: TYLHA 02995 |  |
| Referenced Authority:                                    |  |              |  | Repair Pool:   |  |                    |  | MCC: 3            |  |                     |  |

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| Reason:  | Problem Description:                    | Recommended Solution:                                                                                                                                                                                                                                                                                                           |
| BASELINE | (A-63511-4) TYCOM AUTHORIZED ALTERATION | ACCOMPLISH AER LHA1-02995E "INSTL ADDL OVERHEAD INSULATION" WHICH IMPROVES AIR CONDITIONING EFFICIENCY IN SPACES WHOSE OVERHEAD IS IN DIRECT CONTACT WITH THE SUN BY INSTALLING AN ADDITIONAL 2 INCHES OF INSULATION FOR A TOTAL OF 4 INCHES ON ALL OFFICE AND BERTHING SPACE OVERHEADS DIRECTLY ADJACENT TO THE WEATHER DECKS. |

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**Task/Abbreviation:** I-65111-036- -GREASE HOOD (GIH) - MRC G2B2**MJC:** EXECIC45**Rev Date:** 3/17/2011**RCM Analysis:** 7/12/2004**Scheduled:** N**Sit Reqs:****Qty:** TBD**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:****ManDays:** 1**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:**

BASELINE

**Problem Description:**

(I-65111-036)THE GREASE INTERCEPTOR HOOD (GIH) EQUIPMENT REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE GREASE INTERCEPTOR HOOD (GIH) EQUIPMENT ASSESSMENT IN ACCORDANCE WITH MRC G2B2 AS FOLLOWS: 1. PERFORM VISUAL INSPECTION. 2. TEST OPERATION FOR EACH GIH AND EVT SOLENOID OPERATED DAMPERS. 3. CONDUCT GIH EXHAUST AIR FLOW USING MASS AIR FLOW ANEMOMETER. 4. INSPECT HOOD, SPRAY NOZZLES AND ACCESS DOOR HARDWARE AND HIGH TEMPERATURE TACHAMONTER. 5. INSPECT WASH-DOWN CONTROL CABINET. 6. INSPECT PUMP, DETERGENT TANK, AND FOOT VALVE. 7. PERFORM OPERATIONAL TEST OF WASH-DOWN SYSTEM. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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|-------------------------------------------------------|--------------|---------------|---------------|-------------------|---------------------|
| Task/Abbreviation: Q-65111-071- -DEEP FAT FRYER - RPR |              |               | MJC: EXECQED8 |                   | Rev Date: 3/24/2010 |
| RCM Analysis:                                         | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                       | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                 |              | Repair Pool:  | MCC: 1        |                   |                     |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-65111-071)THE DEEP FAT FRYER REQUIRES REPAIR. | ACCOMPLISH THE REPAIR OF THE DEEP FAT FRYER PER THE CONDITION ASSESSMENT RECOMMENDATIONS (AS APPLICABLE):<br>A. REPLACE FRYER ELEMENT. B. REPLACE THERMOSTAT. C. REPLACE INDICATOR LIGHT. C. REPLACE HANDLE. D. REPAIR SAFETY LATCH. E. CALIBRATE FRYER AND PERFORM OP TEST FOR PROPER PERFORMANCE. |

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| Task/Abbreviation: I-65111-A01- -ICE MAKER DISPENSER - MRC G2F9 |  |              | MJC: EXECIKE3 |               | Rev Date: 3/28/2011 |            |                   |            |         |  |
| RCM Analysis: 10/4/2004                                         |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: TBD   | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                 |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                           |  |              | Repair Pool:  |               |                     | MCC: 1     |                   |            |         |  |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-65111-A01)THE ICE MAKER DISPENSER EQUIPMENT REQUIRES ASSESSMENT. | ACCOMPLISH THE ICE MAKER DISPENSER EQUIPMENT ASSESSMENT IN ACCORDANCE WITH MRC G2F9 AS FOLLOWS: 1. PERFORM VISUAL INSPECTION. 2. PERFORM OPERATIONAL INSPECTION. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-65511-014- -LAU WASHER >60LB - MRC G2G4 |              |               | MJC: EXECICI8 |                   | Rev Date: 12/6/2006 |
| RCM Analysis: 8/2/2004                                       | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                              | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No:             |
| Referenced Authority:                                        |              | Repair Pool:  | MCC: 1        |                   |                     |

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| Reason:  | Problem Description:                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (I-65511-014)THE LAUNDRY WASHER-EXTRACTOR REQUIRES ASSESSMENT. | ACCOMPLISH THE LAUNDRY WASHER-EXTRACTOR EQUIPMENT ASSESSMENT IN ACCORDANCE WITH MRC G2G4 AS FOLLOWS: 1. PERFORM MATERIAL CONDITION INSPECTION. 2. PERFORM OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. NOTE: MAI RMC WORK CENTER 936P, VISIT TYPE HMER A II. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |



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| Task/Abbreviation: I-65511-015- -DRYER TUMB MACH >20 - MRC G2G7 |  |              | MJC: EXECICI9 |               | Rev Date: 12/6/2006 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                          |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                                 |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                           |  |              |               | Repair Pool:  |                     | MCC: 1     |                   |            |         |  |

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| Reason:  | Problem Description:                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (I-65511-015)THE DRYER TUMBLER MACHINE REQUIRES ASSESSMENT. | ACCOMPLISH THE DRYER TUMBLER MACHINE ASSESSMENT IN ACCORDANCE WITH MRC G2G7 AS FOLLOWS: 1. PERFORM MATERIAL CONDITION INSPECTION. 2. PERFORM OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. NOTE: MAI RMC WORK CENTER 936P, VISIT TYPE HMER A II. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-65511-016- -LAU PRESS - MRC G2G3 |  |              | MJC: EXECICJ0 |               | Rev Date: 12/6/2006 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                |  | Scheduled: N |               | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                       |  | Freq: 0      |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 1 | Alt No: |  |
| Referenced Authority:                                 |  |              | Repair Pool:  |               |                     | MCC: 1     |                   |            |         |  |

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| Reason:  | Problem Description:                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (I-65511-016)THE LAUNDRY POWER-OPERATED PRESS EQUIPMENT REQUIRES ASSESSMENT. | ACCOMPLISH THE LAUNDRY POWER-OPERATED PRESS EQUIPMENT ASSESSMENT IN ACCORDANCE WITH MRC G2G3 AS FOLLOWS: 1. PERFORM VISUAL ASSESSMENT. 2. PERFORM OPERATIONAL TEST. REPORT CONDITIONS FOUND TO SHIP'S CSMP. NOTE: MAI RMC WORK CENTER 936P, VISIT TYPE HMER A II. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: D-65611-006- -SHIPALT LHA1-01179D - ACCOMP |              |               | MJC: EXSAD475    |                   | Rev Date: 9/9/2005    |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1           | Removal Required: |                       |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 9,150 | ManDays: 261      | Alt No: SALHA 01179 D |
| Referenced Authority:                                         |              | Repair Pool:  | MCC: 3           |                   |                       |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (D-65611-6) SHIPALT LHA1-01179D, DOCUMENT DISINTEGRATORS, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-01179D WHICH INSTALLS TOW MODEL SEM DS-200 DISINTEGRATORS (WITH VACUUM ENCLOSURES) TO COMPLY WITH NEW POLICY. [MOST EXISTING DESTRUCTION DEVICES (SHREDDERS) USED TO DESTROY PLASTIC AND PAPER-BASED MATERIAL ARE NO LONGER CONSIDERED ADEQUATE FOR COMPLETE TERMINAL DESTRUCTION OF CLASSIFIED DATA. PRODUCTS LISTED ON THE NATIONAL SECURITY AGENCY (NSA) EPL-02-01-B ARE THE ONLY DOCUMENT DESTRUCTION DEVICES APPROVED FOR INSTALLATION AS DOCUMENT DESTRUCTORS. MODEL DS-200 IS A KNIFEMILL DESTRUCTOR WITH A CAPACITY OF 35 POUNDS PER HOUR AND SHALL BE EQUIPPED WITH A 5/64 INCH SCREEN WHICH HAS BEEN APPROVED BY NSA AND MEETS THE REQUIREMENTS FOR DESTRUCTION OF KEY TAPE AS WELL AS ALL LEVELS OF CLASSIFIED PAPER DOCUMENTS]. |

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| Task/Abbreviation: K-66531-003- -SHIPALT LHA1-00502K - ACCOMP |         |               | MJC: EXSAK197      |              | Rev Date: 1/4/1999    |                      |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:          |              | Qty: 1                | Removal Required: NO |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 200,000 | ManDays: 678 | Alt No: SALHA 00502 K |                      |
| Referenced Authority:                                         |         | Repair Pool:  |                    | MCC: 3       |                       |                      |

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| Reason:  | Problem Description:                  | Recommended Solution:                                                                                                                                                                                                              |
| BASELINE | (K-66531-3) NAVSEA AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-502K "AVIONICS CORROSION CONTROL SHOP", WHICH PROVIDES IMPROVED AVIONICS SYSTEMS RELIABILITY AND AIR WING READINESS BY INSTALLING AN AVIONICS CORROSION CONTROL SHOP NEAR THE AVIONIC SHOP REPAIR COMPLEX. |

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| Task/Abbreviation:    |  | K-66541-001- -SHIPALT LHA1-00534K - ACCOMP |  | MJC: EXSAK200 |  | Rev Date:          |  |                      |  |                       |  |
| RCM Analysis:         |  | Scheduled: N                               |  | Sit Reqs:     |  | Qty: 1             |  | Removal Required: NO |  |                       |  |
| Lvl of Maint: 1       |  | Freq: 0                                    |  | Equip/Task: 1 |  | Matl Cost: 100,000 |  | ManDays: 452         |  | Alt No: SALHA 00534 K |  |
| Referenced Authority: |  |                                            |  | Repair Pool:  |  |                    |  | MCC: 3               |  |                       |  |

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| Reason:  | Problem Description:                  | Recommended Solution:                                                                                                                                                                                       |
| BASELINE | (K-66541-1) NAVSEA AUTHORIZED SHIPALT | ACCOMPLISH SHIPALT LHA1-534K "AIRCRAFT ARMAMENT SUSPENSION EQUIPMENT STOWAGE" WHICH, PROVIDES STOWAGE FOR AIRCRAFT ARMAMENT SUSPENSION EQUIPMENT IN SUPPORT OF THE AV-8B, AH-1 AND 1T AIRWING REQUIREMENTS. |

|                                                               |         |               |                   |              |                       |                   |
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| Task/Abbreviation: K-67111-025- -SHIPALT LHA1-00971K - ACCOMP |         |               | MJC: EXSAD480     |              | Rev Date: 11/2/2005   |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:         |              | Qty: 1                | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 35,000 | ManDays: 227 | Alt No: SALHA 00971 K |                   |
| Referenced Authority:                                         |         | Repair Pool:  |                   | MCC: 3       |                       |                   |

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| Reason:  | Problem Description:                                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (K-67111-25) SHIPALT LHA1-00971K, CONSOLIDATED HAZARDOUS MATERIAL (CHrimp), NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-00971K WHICH PROVIDES THE SHIP'S FORCE WITH A HAZARDOUS MATERIALS MINIMIZATION CENTER (HAZMINCEN) CONSISTING OF A CENTRAL SUPPLY DEPARTMENT (SD) OFFICE, AN SD ISSUE ROOM, AND A HAZARDOUS MATERIALS EQUIPMENT AND STOREROOM (USED /EXCESS HAZMAT) TO PERFORM CRADLE TO GRAVE MANAGEMENT OF ALL SHIPBOARD HAZARDOUS MATERIAL. |

|                                                             |              |               |                  |                   |                     |
|-------------------------------------------------------------|--------------|---------------|------------------|-------------------|---------------------|
| Task/Abbreviation: Q-71121-002- -MK 16 GUN MOUNT - RPR/REPL |              |               | MJC: CXECQ074    |                   | Rev Date: 3/11/2010 |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                     |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 1 | Matl Cost: 2,250 | ManDays: 50       | Alt No:             |
| Referenced Authority:                                       |              | Repair Pool:  | MCC: 3           |                   |                     |

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| Reason:  | Problem Description:                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (Q-71121-002)MK16 CIWS REQUIRES REPAIR/REPLACEMENT | REPAIR/REPLACE THE 2 EACH MK 16 MOD ( ) CLOSE-IN WEAPON SYSTEM (CIWS) WEAPONS GROUP (GUN MOUNTS) PER CONDITION ASSESSMENT RECOMMENDATIONS. SHIP TO THE DESIGNATED REPAIR FACILITY IN ACCORDANCE WITH THE CURRENT ISSUE OF CLOSE-IN WEAPON SYSTEM (CIWS) MK 15 PHALANX REMOVAL AND INSTALLATION PROCEDURES. NOTE: 1. EQUIPMENT MAY BE REMOVED PRIOR TO START OF AVAILABILITY. 2. FTSC TASKED BY TYCOM TO ASSIST WITH THE INSTALLATION AND CHECK-OUT. |

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| Task/Abbreviation: Q-71121-003- -MK 16 GUN MOUNT - ENCL |              |               | MJC: CEXECQ075   |                   | Rev Date: 9/9/2003 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,000 | ManDays: 50       | Alt No:            |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3           |                   |                    |

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| Reason:  | Problem Description:                 | Recommended Solution:                                                                                                                                                                                                                |
| BASELINE | (Q-71121-003)CIWS REQUIRES ENCLOSURE | ENCLOSE THE 2 EACH MK 16 MOD ( ) CLOSE-IN WEAPON SYSTEM (CIWS) WEAPONS GROUP (GUN MOUNTS) ON BOARD AND PROVIDE ADEQUATE WORK AREA AND SUPPORT SERVICES FOR OPERATION, REPAIR AND MAINTENANCE. NOTE: ESTIMATE IS FOR DUAL GUN SYSTEM. |



|                                                          |              |               |                  |                   |                    |
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| Task/Abbreviation: R-71121-004- -MK 16 GUN MOUNT - LAYUP |              |               | MJC: CXSYR001    |                   | Rev Date: 6/9/2009 |
| RCM Analysis:                                            | Scheduled: N | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 1                                          | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,000 | ManDays: 35       | Alt No:            |
| Referenced Authority:                                    | Repair Pool: | MCC: 3        |                  |                   |                    |

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| Reason:  | Problem Description:                                                                                                               | Recommended Solution:                                                                                                                                                                                                                           |
| BASELINE | (R-71121-004)THE MK 15 CIWS REQUIRES LAY-UP DURING THE AVAILABILITY TO ENSURE DETERIORATION OF EQUIPMENT CONDITION DOES NOT OCCUR. | LAY-UP AND ENCLOSE, WITHOUT ACCESS, THE MK 15 MOD ( ) CLOSE-IN WEAPON SYSTEM (CIWS) ON BOARD. NOTE: 1. THIS ITEM IS APPLICABLE ONLY IF NO REPAIRS OR MAINTENANCE IS TO BE ACCOMPLISHED. NOTE 2: USE SWT 992-22 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: O-71121-011- -ORDALT 16646 - ACCOMP |              |               | MJC: CXSAO072 |                   | Rev Date:        |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                  |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: OA 16646 |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                  |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                   |
| BASELINE | (O-71121-11) ORDALT 16646, PALLET REMOVAL VALVE MANIFOLD, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16646 WHICH INSTALLS PALLET REMOVAL VALVE, P/N 6769101, AT PNEUMATIC REGULATOR AND STORAGE ASSEMBLY 3A4A11. POC: JOSE CABRERA, 502-364-5540, CABRERAJA@NSWCL.NAVY.NAVY.MIL OR JOSE.CABRERA@.NAVY.MIL. |

|                                                        |  |              |  |               |  |            |  |                   |  |                  |  |
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| Task/Abbreviation: O-71121-012- -ORDALT 16766 - ACCOMP |  |              |  | MJC: CXSAO078 |  | Rev Date:  |  |                   |  |                  |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1     |  | Removal Required: |  |                  |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: |  | ManDays: 1        |  | Alt No: OA 16766 |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |            |  | MCC: 3            |  |                  |  |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                   |
| BASELINE | (O-71121-12) ORDALT 16766, COMMERCIAL OFF THE SHELF PASS, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16766 WHICH INSTALLS COMMERCIAL OFF-THE-SHELF PASS TO REPLACE 486 CONFIGURATION OF PARAMETER ANALYSIS AND STORAGE SYSTEM MK 16 MOD 1. |

|                                                        |         |               |               |            |                   |
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| Task/Abbreviation: O-71121-013- -ORDALT 30511 - ACCOMP |         |               | MJC: CXSAO080 |            | Rev Date:         |
| RCM Analysis:                                          |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required: |
| Lvl of Maint: 1                                        | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No: OA 30511  |
| Referenced Authority:                                  |         | Repair Pool:  | MCC: 3        |            |                   |

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| Reason:  | Problem Description:                                                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (O-71121-13) ORDALT 30511, USN-1203<br>OPERATIONAL SOFTWARE, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 30511 WHICH DISABLES THE "SEARCH ONLY" BUTTON ON THE LOCAL CONTROL PANEL (LCP) IN STANDBY-MAINTENANCE MODE, UPDATES INSTALLATION DATA SETS WITH THE LATEST SHIP INSTALLATION DATA FOR BLOCK 1 BASELINE 2 MOUNTS, AND PROVIDES CORRECTIONS TO OTHER BUILT-IN-TEST (BITE) FUNCTIONS. IT WILL ALSO INCORPORATE CORRECTIONS FOR RECTIFY END TO END TEST (ETET) SOFTWARE TROUBLE REPORTS (STRS) INVOLVING OPERATION OF ETET ENGAGEMENT TESTS AND THE ETET PROJECTILE PROCESSING TEST, AND ETET 314. POC: RICHARD KAEIN, 502-364-6623, RICHARD.KAEIN@NAVY.MIL |

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**Task/Abbreviation:** I-71121-027- -MK 16 CIWS - MRC A2E3**MJC:** EXECID60**Rev Date:** 8/18/2010**RCM Analysis:** 12/3/2007**Scheduled:** Y**Sit Reqs:****Qty:****Removal Required:****Lvl of Maint:** 3**Freq:** 24**Equip/Task:** 1**Matl Cost:****ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-71121-027)THE MK-16 CIWS REQUIRES ASSESSMENT.

ACCOMP MRC A2E3: 1. PERFORM SYSTEM OPERABILITY TESTS (SOTS), PERIODIC SYSTEM OPERABILITY TESTS (PSOTS), AND (FITS) FAULT ISOLATION TESTS. 2. VERIFY ENVIRONMENTAL CONTROL GROUP (ECG)AND WAVEGUIDE AIR DRYER SYSTEM (WADS) PERFORMANCE. 3. PERFORM SYSTEM RADAR TIMING (PSOT 18). 4. VERIFY TRANSMITTER OUTPUT PULSE AND POWER OUT. 5. CALIBRATE TRANSMITTER FORWARD AND BACK POWER. 6. CHECK/ADJUST RADAR RF PHASE AND GAIN. 7. PERFORM PSOT 13 AND PSOT 14. 8. VERIFY PROPER SEARCH ANTENNA MOTOR OPERATION. 9. VERIFY PROPER OPERATION OF MOUNT ELEVATION SERVO AND TRACK ANTENNA SERVOS. 10. VERIFY PQM OPERATION. 11. CHECK POWER SUPPLY RIPPLE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B NOTE: RECOMMEND ACCOMPLISHMENT 90 DAYS PRIOR TO DEPLOYMENT.

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| Task/Abbreviation: O-71121-030- -ORDALT 16763 - ACCOMP |              |               | MJC: CXSAO319 |                   | Rev Date: 8/10/2006 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: OA 16763    |
| Referenced Authority:                                  | Repair Pool: | MCC: 3        |               |                   |                     |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (O-71121-30) ORDALT 16763, LOCAL TO REMOTE MULTIPLEX, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16763 WHICH MODIFIES THE LOCAL TO REMOTE MULTIPLEX AND CONTROL CCA TO PREVENT INADVERTENT MODE CHANGES TO STANDBY WHEN THE LCP KEYSWITCH IS SWITCHED FROM STANDBY MAINTENANCE TO OPERATE. THIS ORDALT APPLIES TO MK15 MOD1, 2, 11, 12, 13, 14 CIWS. POC: JOSE CABRERA, 502-364-5540, JOSE.CABRERA@.NAVY.MIL OR CABRERAJA@NSWCL.NAVY.MIL. |

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| Task/Abbreviation: O-71121-031- -ORDALT 16800 - ACCOMP |              |               | MJC: EXSAO065 |                   | Rev Date: 8/10/2006 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: OA 16800    |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (O-71121-31) ORDALT 16800, MODE CONTROL LOGIC CCA MOD, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16800 WHICH MODIFIES THE MODE CONTROL CCA TO LOGICALLY AND THE RCP AIR READY COMMAND SIGNAL WITH THE LOCAL CONTROL SIGNAL. THIS PREVENTS UNCOMMANDED MODE TRANSITIONS TO AIR READY. POC: JOSE CABRERA, 502-364-5540, JOSE.CABRERA@.NAVY.MIL OR CABRERAJA@NSWCL.NAVY.MIL. |

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| Task/Abbreviation: O-71121-036- -ORDALT 16987 - ACCOMP |              |               | MJC: WXS AO015 |                   | Rev Date: 8/10/2006 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:     | ManDays: 1        | Alt No: OA 16987    |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                   |
| BASELINE | (O-71121-36) ORDALT 16987, MOUNT SAFETY CONTACTOR, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16987 WHICH CORRECTS INADVERTENT MOUNT MOTION FAULT THAT CAN OCCUR WITH A FAILURE OF THE MOUNT SWITCHING ASSEMBLY CONTACTOR. POC: JOSE CABRERA, 502-364-5540, JOSE.CABRERA@.NAVY.MIL. |



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| Task/Abbreviation: O-71121-043- -ORDALT 30555 - ACCOMP |  |              |  | MJC: WXS AO021 |  | Rev Date: 5/22/2006 |  |                   |  |                  |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:      |  | Qty: 1              |  | Removal Required: |  |                  |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 0  |  | Matl Cost:          |  | ManDays: 10       |  | Alt No: OA 30555 |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:   |  |                     |  | MCC: 3            |  |                  |  |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                |
| BASELINE | (O-71121-43) ORDALT 30555, USN 1B04 OPERATIONAL SOFTWARE, NOT ACCOMPLISHED | ACCOMPLISH ORDALT OA 30555 WHICH UPDATES THE BLOCK 1B OP PROGRAM WHICH INCLUDES CHANGES REQUIRED TO SUPPORT HARDWARE CHANGES INTRODUCED BY CLASS 1 ECP RMS-M15-0142. |

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| Task/Abbreviation: O-71121-046- -ORDALT 16975 - ACCOMP |              |               | MJC: CXSAO323 |                   | Rev Date: 7/18/2006 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: OA 16975    |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                             |
| BASELINE | (O-71121-46) ORDALT 16975, ADD SHRINK TUBING TO RECEIVER, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16975 WHICH ADDS MORE SHRINK TUBING TO COVER THE ENTIRE REGION OF THE 120 VAC CAPACITOR TERMINALS ON THE RECEIVER DOOR IN THE TRACK RADAR MICROWAVE RECEIVER ASSEMBLY. POC: JOSE CABRERA, 502-364-5540, JOSE.CABRERA@.NAVY.MIL. |

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| Task/Abbreviation: O-71121-091- -ORDALT 76970 K - ACCOMP |                                                                            |                                                                                                                                                                                                                                                        | MJC: EXSAO533 |                   | Rev Date: 9/30/2011 |
| RCM Analysis:                                            | Scheduled: N                                                               | Sit Reqs:                                                                                                                                                                                                                                              | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                          | Freq: 0                                                                    | Equip/Task: 1                                                                                                                                                                                                                                          | Matl Cost:    | ManDays: 1        | Alt No: OA 76970    |
| Referenced Authority:                                    |                                                                            | Repair Pool:                                                                                                                                                                                                                                           | MCC: 3        |                   |                     |
| Reason:                                                  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                  |               |                   |                     |
| BASELINE                                                 | (O-71121-91) ORDALT 76970K, BLOCK 1B/1 OP SOFTWARE B107A, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 76970K WHICH INSTALLS OPERATIONAL AND BITE UPGRADES REQUIRED FOR PROPER OPERATION OF CIWS BLOCK 1B BASELINE 1. POC: PAMELA CLAYTON, 502-364-5348, PAMELA.CLAYTON@NAVY.MIL OR RICHARD KAE LIN, 502-364-6623, RICHARD.KAE LIN@NAVY.MIL |               |                   |                     |

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| Task/Abbreviation: O-71121-096- -ORDALT 77500 - ACCOMP |              |               | MJC: CXSAOA70 |                   | Rev Date: 12/17/2008 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: OA 77500     |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                       | Recommended Solution:                                                                                                                                                                               |
| BASELINE | (O-71121-96) ORDALT 77500, RECEIVER DOOR, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 77500 WHICH INSTALLS A MODIFIED RECEIVER DOOR THAT IMPROVES AIR FLOW AND COOLING WITHIN THE MICROWAVE RECEIVER ASSEMBLY. POC: RICHARD KAEIN, 502-364-6623, RICHARD.KAEIN@NAVY.MIL |

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| Task/Abbreviation: K-71121-101- -ORDALT 78221K - ACCOMP |              |               | MJC: EXSAKAB2 |                   | Rev Date: 9/19/2011 |
| RCM Analysis:                                           | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 1                                         | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 6        | Alt No: OA 78221    |
| Referenced Authority:                                   |              | Repair Pool:  | MCC: 3        |                   |                     |

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| Reason:  | Problem Description:                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | SA 78221K BLOCK 1B/2 RADAR UPGRADE, NOT ACCOMPLISHED | AIT INSTALLATION. ACCOMPLISH ORDALT 78221K WHICH REPLACES THE EXISTING SIGNAL GENERATOR, TARGET DETECTION PROCESSOR, RADAR PROCESSOR AND MIXER WITH A NEW SIGNAL PROCESSOR, SIGNAL SOURCE, AND MIXER. THE FIRST LOCAL OSCILLATOR WILL BE REPLACED AND SOME ELECTRONICS ENCLOSURE WIRING WILL BE CHANGED. A NEW SEARCH ANTENNA REPLACES THE EXISTING ANTENNA WHICH IS TILTED DOWN 4.5 DEGREES FOR IMPROVED PERFORMANCE AGAINST SEA SKIMMING TARGETS. POC: RICHARD KAEIN, 502-364-6623, RICHARD.KAEIN@NAVY.MIL |

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**Task/Abbreviation:** I-71121-A01- -MK 16 CIWS - MRC GERM**MJC:** EXECIKD6**Rev Date:** 3/21/2011**RCM Analysis:**                      **Scheduled:** N                      **Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:****Matl Cost:****ManDays:** 0**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-71121-A01)CIWS REQUIRES ASSESSMENT.

ACCOMP MRC GERM: 1. CLEAN, INSPECT, AND LUBRICATE BOLTS AND REMOVABLE TRACKS. 2. CLEAN AND PRESERVE GUN BORE CLEAR CONTACT. 3. PERFORM POST-MAINTENANCE CHECKOUT. 4. TEST GUN MAINTENANCE CLEAR FUNCTION. OFF SHIP ASSESSORS PERFORM ASSESS STEPS ONLY. NOTE: DURING PERFORMANCE OF MAINTENANCE ON GUN AND AMMUNITION HANDLING SYSTEM IF ANY SUSPECT OR ACTUAL DAMAGE IS ENCOUNTERED, REPAIR CAPABILITY AND ASSISTANCE IS AVAILABLE THROUGH THE CERTIFIED CIWS INTERMEDIATE LEVEL GAHS SHOPS AT NORFOLK NAVAL SHIPYARD AND IMF, SERMC (MAYPORT), SWRMC (SAN DIEGO), IMF PEARL HARBOR NAVAL SHIPYARD, IMF PUGET SOUND NAVAL SHIPYARD EVERETT DETACHMENT AND SHIP REPAIR FACILITY YOKOSUKA JAPAN FOR THE US NAVY. REPORT CONDITIONS FOUND TO SHIP'S CSM P. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 6 4) IAW NAVSEAINST 4790.8B

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| Task/Abbreviation: I-71121-A02- -MK 16 CIWS - MRC A5X9 OR A5Y1 |              |               | MJC: EXECIKJ3    |                   | Rev Date: 8/8/2011 |
| RCM Analysis: 12/3/2007                                        | Scheduled: Y | Sit Reqs:     | Qty: 2           | Removal Required: |                    |
| Lvl of Maint: 3                                                | Freq: 24     | Equip/Task: 1 | Matl Cost: 3,000 | ManDays: 5        | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 2           |                   |                    |

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| Reason:  | Problem Description:                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (I-71121-A02)THE MK-16 CIWS REQUIRES ASSESSMENT. | ACCOMP MRC AX59 (CG/DDG/LHD/LSD/LPD) OR A5Y1 (FFG) 1. PERFORM SYSTEM OPERABILITY TESTS (SOTS), PERIODIC SYSTEM OPERABILITY TESTS (PSOTS), AND (FITS) FAULT ISOLATION TESTS. 2. VERIFY ENVIRONMENTAL CONTROL GROUP (ECG)AND WAVEGUIDE AIR DRYER SYSTEM (WADS) PERFORMANCE. 3. PERFORM SYSTEM RADAR TIMING (PSOT 18). 4. VERIFY TRANSMITTER OUTPUT PULSE AND POWER OUT. 5. CALIBRATE TRANSMITTER FORWARD AND BACK POWER. 6. CHECK/ADJUST RADAR RF PHASE AND GAIN. 7. PERFORM PSOT 13 AND PSOT 14. 8. VERIFY PROPER SEARCH ANTENNA MOTOR OPERATION. 9. VERIFY PROPER OPERATION OF MOUNT ELEVATION SERVO AND TRACK ANTENNA SERVOS. 10. VERIFY PQM OPERATION. 11. CHECK POWER SUPPLY RIPPLE. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B NOTE: RECOMMEND ACCOMPLISHMENT 90 DAYS PRIOR TO DEPLOYMENT. |

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| Task/Abbreviation: O-72111-048- -ORDALT 16750 - ACCOMP |  |              |  | MJC: CXSAO087 |  | Rev Date:  |  |                   |  |                  |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1     |  | Removal Required: |  |                  |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: |  | ManDays: 1        |  | Alt No: OA 16750 |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:  |  |            |  | MCC: 3            |  |                  |  |

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| Reason:  | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                                                                            |
| BASELINE | (O-72111-48) ORDALT 16750, REPLACE WCP MOUNTING BRACKET, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16750 TO MK 31 RAM WHICH REPLACES WCP MOUNTING BRACKET ONLY - TO ACCOMODATE NEW DESIGN OF REPLACEMENT DISPLAY. VERIFY DISPLAY BRACKET (P/N 729033) AND CAUTION LABEL (P/N 493836-14) ARE INSTALLED. NOTE: AIT IS NSWC PHD, POC IS JOSEPH DOMITROVICH, CODE 4Y43, 805-228-8033. |



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| Task/Abbreviation: O-72111-081- -ORDALT 16840 - ACCOMP |              |               | MJC: EXOAO001 |                   | Rev Date: 10/11/2005 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 3        | Alt No: OA 16840     |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (O-72111-81) ORDALT 16840, TRAIN HEATER REDESIGN, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16840 WHICH INSTALLS THE TRAIN HEATER REDESIGN TO PREVENT WATER LEAKAGE THROUGH THE ACCESS HOLES FOR THE TRAIN HEATER CONTROL THERMOSTAT, WHICH HAS CAUSED EXTENSIVE CORROSION FOR THE MK 144 MODS 0 & 1; RAM MK 31 MODS 0 & 1. THIS CHANGE ALSO DELETES CURRENT TRAIN PLATFORM ASSEMBLY, 5492319, AND ADDS THE NEW TRAIN PLATFORM ASSEMBLY, 6980812. |

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| Task/Abbreviation: O-72111-082- -ORDALT 16865 - ACCOMP |  |                                                                             |  | MJC: EXOAO002 |  | Rev Date: 10/11/2005                                                                           |  |                   |  |                  |  |
| RCM Analysis:                                          |  | Scheduled: N                                                                |  | Sit Reqs:     |  | Qty: 1                                                                                         |  | Removal Required: |  |                  |  |
| Lvl of Maint: 1                                        |  | Freq: 0                                                                     |  | Equip/Task: 1 |  | Matl Cost:                                                                                     |  | ManDays: 1        |  | Alt No: OA 16865 |  |
| Referenced Authority:                                  |  |                                                                             |  | Repair Pool:  |  |                                                                                                |  | MCC: 3            |  |                  |  |
| Reason:                                                |  | Problem Description:                                                        |  |               |  | Recommended Solution:                                                                          |  |                   |  |                  |  |
| BASELINE                                               |  | (O-72111-82) ORDALT 16865, IMPL GREASE FITTINGS IN MK19/0, NOT ACCOMPLISHED |  |               |  | ACCOMPLISH ORDALT 16865 WHICH IMPROVES THE MK 19 MOD 0 LOADER TROLLEY SLIDING CHARACTERISTICS. |  |                   |  |                  |  |

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| Task/Abbreviation: O-72111-083- -ORDALT 16866 - ACCOMP |                                                                           |                                                                                                                                                                                                                                              | MJC: EXOAO003 |                   | Rev Date: 10/11/2005 |
| RCM Analysis:                                          | Scheduled: N                                                              | Sit Reqs:                                                                                                                                                                                                                                    | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 3                                        | Freq: 0                                                                   | Equip/Task: 1                                                                                                                                                                                                                                | Matl Cost:    | ManDays: 1        | Alt No: OA 16866     |
| Referenced Authority:                                  |                                                                           | Repair Pool:                                                                                                                                                                                                                                 | MCC: 3        |                   |                      |
| Reason:                                                | Problem Description:                                                      | Recommended Solution:                                                                                                                                                                                                                        |               |                   |                      |
| BASELINE                                               | (O-72111-83) ORDALT 16866, ADD WEATHER PROOFING TO DSLC, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16866 WHICH ADDS CORROSION PROTECTION FOR THE MK 144 MODS 0 & 1; RAM MK 31 MODS 0 & 1 BY ADDING WEATHER PROOFING TO THE DSLC JUNCTION BOX 90 DEGREE CONNECTOR. POC: PATRICIA SALDANA 805-228-8131, PATTY.SALDANA@NAVY.MIL. |               |                   |                      |

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| Task/Abbreviation: O-72111-084- -ORDALT 16885 - ACCOMP |         |               | MJC: EXOAO004 |            | Rev Date: 10/11/2005 |
| RCM Analysis:                                          |         | Scheduled: N  | Sit Reqs:     | Qty: 1     | Removal Required:    |
| Lvl of Maint: 3                                        | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 1 | Alt No: OA 16885     |
| Referenced Authority:                                  |         | Repair Pool:  | MCC: 3        |            |                      |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                         |
| BASELINE | (O-72111-84) ORDALT 16885, CABLES CHAFING AGAINST STUB, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16885 WHICH ADDS A MOUNTING BRACKET RISER TO RAISE THE LEVEL OF CABLES INSIDE THE RIGHT TRUNNION INSIDE STUB SHAFT AREA FOR THE MK 144 MODS 0 & 1; RAM MK 31 MODS 0, 1 & 3. |

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| Task/Abbreviation: O-72111-085- -ORDALT 16887 - ACCOMP |              |               |            | MJC: EXOAO005 | Rev Date: 10/11/2005 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     |            | Qty: 1        | Removal Required:    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost: | ManDays: 1    | Alt No: OA 16887     |
| Referenced Authority:                                  | Repair Pool: |               | MCC: 3     |               |                      |

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| Reason:  | Problem Description:                                                     | Recommended Solution:                                                                                                                                                                                      |
| BASELINE | (O-72111-85) ORDALT 16887, HEATER TERMINAL BOARD COVER, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16887 WHICH PREVENTS WATER LEAKAGE ON THE TRAIN HEATER TERMINAL WHICH CAUSES SHORT CIRCUITS ON THE 115 VAC TERMINALS OF THE MK 144 MODS 0-2 GUIDED MISSILE LAUNCHER; RAM MK 31 MODS 0-3. |

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| Task/Abbreviation: O-72111-086- -ORDALT 16892 - ACCOMP |              |               | MJC: EXOAO006 |                   | Rev Date: 10/11/2005 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: OA 16892     |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (O-72111-86) ORDALT 16892, CORRECT LSMU SQUIB FIRING CIR, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16892 WHICH RESTORES PARTIAL OR MISSING MISSILE SQUIB FIRING VOLTAGE DURING SIMULATED MISSILE FIRING. THE LAUNCHER SWITCHING MULTIPLEX UNIT (LSMU) SOLID STATE RELAY (SSR) SQUIB CIRCUIT DOES NOT PROVIDE SUFFICIENT TURN-ON VOLTAGE OF 4V MINIMUM ACROSS THE SSR, LIMITING DIODE TURN-ON CURRENT. NAVSEA HAS DIRECTED RAM GMLS TO ADD A DISTRIBUTION STATEMENT F TO ALL RAM GMLS UNIQUE RELEASED DOCUMENTATION PER THE CONTRACT. |

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| Task/Abbreviation: O-72111-087- -ORDALT 16893 - ACCOMP |              |               | MJC: EXOAO007 |                   | Rev Date: 10/11/2005 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:     | Qty: 1        | Removal Required: |                      |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 1 | Matl Cost:    | ManDays: 1        | Alt No: OA 16893     |
| Referenced Authority:                                  |              | Repair Pool:  | MCC: 3        |                   |                      |

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| Reason:  | Problem Description:                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                            |
| BASELINE | (O-72111-87) ORDALT 16893, LOADER ERECT/GMRP CHAIN HOISTS, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16893 WHICH SPECIFIES A SECOND HOIST TO BE USED ONLY FOR ERECTING THE LOADER, DEVELOPS A NEW SPECIFICATION CONTROL DRAWING TO REPLACE HOIST DRAWING 6569584, REQUIRES THE HOISTS TO BE PAINTED IN ACCORDANCE WITH WEAPON SPECIFICATION 33226, AND ADDS HOOK DIMENSIONAL REQUIREMENT TO THE MK 19 MOD 0 LOADER. |

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| Task/Abbreviation: O-72111-088- -ORDALT 16808 - ACCOMP |  |              |  | MJC: WXS AO002 |  | Rev Date:  |  |                   |  |                  |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:      |  | Qty: 1     |  | Removal Required: |  |                  |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 1  |  | Matl Cost: |  | ManDays: 38       |  | Alt No: OA 16808 |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:   |  |            |  | MCC: 3            |  |                  |  |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                                                   |
| BASELINE | (O-72111-88) ORDALT 16808, RAM MK 31 MOD 3<br>UPGRADE, NOT ACCOMPLISHED | ACCOMPLISH ORDALT 16808 WHICH REPLACES EXISTING SYSTEM<br>HARDWARE WITH UPGRADED HARDWARE PERMITTING SYSTEM<br>COMPATIBILITY FOR SIGNAL COMMUNICATION WITH AND<br>LAUNCHING OF BLOCK 0, BLOCK 0B, BLOCK 1 AND BLOCK 1A RAM<br>MISSILES. |



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| <b>Task/Abbreviation:</b> O-72111-116- -SWD SW B/L 14.20 - ACCOMP |  |                     |  | <b>MJC:</b> WXSAB025 |  | <b>Rev Date:</b> 3/22/2007 |  |                          |  |                             |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1              |  | <b>Removal Required:</b> |  |                             |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b>          |  | <b>Alt No:</b> SWD SW 14.20 |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>  |  |                            |  | <b>MCC:</b> 3            |  |                             |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                        | <b>Recommended Solution:</b>                                                                                                                                                                           |
| BASELINE       | (O-72111-116) SWD B/L 14.20 - RAM MK 31 MOD 3 SOFTWARE RAM 14.20, NOT ACCOMPLISHED | ACCOMPLISH SWD B/L 14.20 WHICH RAM MK 31 MOD 3 SOFTWARE 14.20. SOFTWARE BASELINE 14.20 CONTROLS THE RAM GUIDED MISSILE WEAPON SYSTEM MK 31 MOD 3 FOR ENGAGEMENT OF LOW FLYING AIR AND SURFACE TARGETS. |

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**Task/Abbreviation:** I-72111-229- -RAM GMLS MK49 MOD1 - MRC N2L5**MJC:** CEXECIDF4**Rev Date:** 7/21/2010**RCM Analysis:** 12/11/2006**Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 36**Equip/Task:** 1**Matl Cost:****ManDays:** 3**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(I-72111-229)THE MK 31 MOD 1 ROLLING AIRFRAME MISSILE (RAM) GUIDED MISSILE LAUNCHING SYSTEM (GMLS) MK 49 MOD 1 REQUIRES ASSESSMENT.

**Recommended Solution:**

ACCOMPLISH THE MK 31 MOD 1 ROLLING AIRFRAME MISSILE (RAM) GUIDED MISSILE LAUNCHING SYSTEM (GMLS) MK 49 MOD 1 ASSESSMENT IN ACCORDANCE WITH MRC N2L5 AS FOLLOWS: 1. PERFORM MCR INSPECTION OF RAM GMLS MK 49 MOD 1. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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**Task/Abbreviation:** I-72111-230- -RAM GMLS MK49 MOD1 - MRC A4N1**MJC:** CXECIDF5**Rev Date:** 7/21/2010**RCM Analysis:** 12/11/2006**Scheduled:** Y**Sit Reqs:****Qty:** 2**Removal Required:****Lvl of Maint:** 3**Freq:** 18**Equip/Task:** 1**Matl Cost:****ManDays:** 4**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-72111-230)THE MK 31 MOD 1 ROLLING AIRFRAME MISSILE (RAM) GUIDED MISSILE LAUNCHING SYSTEM (GMLS) MK 49 MOD 1 REQUIRES ASSESSMENT.

ACCOMPLISH THE MK 31 MOD 1 ROLLING AIRFRAME MISSILE (RAM) GUIDED MISSILE LAUNCHING SYSTEM (GMLS) MK 49 MOD 1 ASSESSMENT IN ACCORDANCE WITH A4N1 AS FOLLOWS: 1. PERFORM SYSTEM OPERABILITY TESTS (SOTS). 2. PERFORM FAULT ISOLATION TESTS (FITS). 3. PERFORM PRINTER OPERATION CHECK. 4. PERFORM PRE-OCSOT TEST AND VERIFY EDS/RAM INTERFACE. 5. PERFORM DUD SET/CLEAR FUNCTIONS AND ROUND INVENTORY CHECK. 6. PERFORM MANUAL CHECK OF NO-POINT NO-FIRE (NPNF) FUNCTION AND TEST GMLS NO-FIRE (NF) CUT-OUT ZONE. 7. PERFORM SYNCHRO SOT. 8. PERFORM LOTA SOT. 9. PERFORM CHECK OF WCP, LCIU AND LSMU CARD EDGE LEDS AND RECORD TIME METER READINGS. THE REMAINDER OF THE MAINTENANCE REQUIREMENTS, 10 THROUGH 20, ARE LISTED ON THE MRC. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-72211-001- -WPN HDLG EQPT - TST |  |              |  | MJC: CXECI106 |  | Rev Date:  |  |                   |  |         |  |
| RCM Analysis:                                        |  | Scheduled: N |  | Sit Reqs:     |  | Qty: X     |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                      |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost: |  | ManDays: 5        |  | Alt No: |  |
| Referenced Authority:                                |  |              |  | Repair Pool:  |  |            |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (I-72211-001)THE WEAPONS HANDLING EQUIPMENT REQUIRES TESTING | TEST THE WEAPONS HANDLING EQUIPMENT IN ACCORDANCE WITH THE APPLICABLE TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: 1. SHIP'S FORCE TO SUBMIT 4790.2K FOR EQUIPMENT WITH OUT-OF-DATE PERIODICITY. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-76111-013- -NIGHT VISION EQPT - MRC A1J4 |  |              | MJC: CXCIBQ2 |               | Rev Date: 7/16/2010 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                        |  | Scheduled: Y |              | Sit Reqs:     |                     | Qty: 1     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                               |  | Freq: 24     |              | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 5 | Alt No: |  |
| Referenced Authority:                                         |  |              |              | Repair Pool:  |                     |            | MCC: 3            |            |         |  |

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| Reason:  | Problem Description:                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (I-76111-013)THE NIGHT VISION EQUIPMENT REQUIRES ASSESSMENT. | ACCOMPLISH THE NIGHT VISION EQUIPMENT ASSESSMENT IN ACCORDANCE WITH MRC A1J4 AS FOLLOWS: 1. PERFORM MATERIAL INSPECTION AND OPERATIONAL TEST OF NIGHT VISION EQUIPMENT. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: I-76111-014- -SMALL ARMS - MRC A1H9 |  |              | MJC: CXECIBQ3 |               | Rev Date: 7/16/2010 |            |                   |            |         |  |
| RCM Analysis: 8/2/2004                                 |  | Scheduled: Y |               | Sit Reqs:     |                     | Qty: 0     | Removal Required: |            |         |  |
| Lvl of Maint: 3                                        |  | Freq: 30     |               | Equip/Task: 1 |                     | Matl Cost: |                   | ManDays: 5 | Alt No: |  |
| Referenced Authority:                                  |  |              | Repair Pool:  |               |                     | MCC: 3     |                   |            |         |  |

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| Reason:  | Problem Description:                            | Recommended Solution:                                                                                                                                                                                                                                    |
| BASELINE | (I-76111-014)THE SMALL ARMS REQUIRES ASSESSMENT | ACCOMPLISH THE SMALL ARMS ASSESSMENT IN ACCORDANCE WITH MRC A1H9. REPORT CONDITIONS FOUND TO SHIP'S CSMP. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| <b>Task/Abbreviation:</b> Q-76111-015- -NIGHT VISION BATTERY-REPL |                     | <b>MJC:</b> CXECQ301 | <b>Rev Date:</b> 9/12/2006 |                          |                |
| <b>RCM Analysis:</b>                                              | <b>Scheduled:</b> N | <b>Sit Reqs:</b>     | <b>Qty:</b> 1              | <b>Removal Required:</b> |                |
| <b>Lvl of Maint:</b> 4                                            | <b>Freq:</b> 0      | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b> 323      | <b>ManDays:</b> 1        | <b>Alt No:</b> |
| <b>Referenced Authority:</b>                                      | <b>Repair Pool:</b> | <b>MCC:</b> 3        |                            |                          |                |

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| <b>Reason:</b> | <b>Problem Description:</b>                                | <b>Recommended Solution:</b>                                                                                                  |
| BASELINE       | (Q-76111-015)NIGHT VISION EQUIPMENT HAS DEFECTIVE BATTERY. | REPLACE BATTERY. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-76111-016- -NIGHT VISION IMAGE TUBE-REPL |              | MJC: CXECQ302 | Rev Date: 9/12/2006 |                   |         |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:     | Qty: 1              | Removal Required: |         |
| Lvl of Maint: 4                                               | Freq: 0      | Equip/Task: 1 | Matl Cost: 3,105    | ManDays: 1        | Alt No: |
| Referenced Authority:                                         | Repair Pool: | MCC: 3        |                     |                   |         |

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| Reason:  | Problem Description:                                          | Recommended Solution:                                                                                                            |
| BASELINE | (Q-76111-016)NIGHT VISION EQUIPMENT HAS DEFECTIVE IMAGE TUBE. | REPLACE IMAGE TUBE. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |



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| Task/Abbreviation: Q-76111-017- -NIGHT VISION SWITCH-REPL |              |               | MJC: CEXECQ303 |                   | Rev Date: 9/12/2006 |
| RCM Analysis:                                             | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                     |
| Lvl of Maint: 4                                           | Freq: 0      | Equip/Task: 1 | Matl Cost: 93  | ManDays: 1        | Alt No:             |
| Referenced Authority:                                     | Repair Pool: | MCC: 3        |                |                   |                     |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                        |
| BASELINE | (Q-76111-017)NIGHT VISION EQUIPMENT HAS DEFECTIVE ON/OFF SWITCH. | REPLACE SWITCH. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |

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| Task/Abbreviation: Q-76111-018- -SMALL ARMS - REPL |                                             |                                                                                                                                            | MJC: CXCQ304     |            | Rev Date: 8/16/2007 |
| RCM Analysis:                                      |                                             | Scheduled: N                                                                                                                               | Sit Reqs:        | Qty: 1     | Removal Required:   |
| Lvl of Maint: 4                                    | Freq: 0                                     | Equip/Task: 1                                                                                                                              | Matl Cost: 1,500 | ManDays: 1 | Alt No:             |
| Referenced Authority:                              |                                             | Repair Pool:                                                                                                                               | MCC: 3           |            |                     |
| Reason:                                            | Problem Description:                        | Recommended Solution:                                                                                                                      |                  |            |                     |
| BASELINE                                           | (Q-76111-018)SMALL ARMS WEAPON INOPERATIVE. | REPAIR/REPLACE FAILED WEAPON. ACCOMPLISH A SATISFACTORY TEST IN ACCORDANCE WITH TECHNICAL MANUAL. RETURN EQUIPMENT TO READINESS CONDITION. |                  |            |                     |

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| Task/Abbreviation: I-77211-001- -CAR AMMO HDLG EQPT - TST |         |               | MJC: CXECI110 |             | Rev Date: 1/22/2007 |
| RCM Analysis:                                             |         | Scheduled: N  | Sit Reqs:     | Qty: 1      | Removal Required:   |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 1 | Matl Cost:    | ManDays: 10 | Alt No:             |
| Referenced Authority:                                     |         | Repair Pool:  | MCC: 4        |             |                     |

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| Reason:  | Problem Description:                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (I-77211-001)THE AMMUNITION CARGO HANDLING AND STOWAGE EQUIPMENT REQUIRES TESTING | TEST THE AMMUNITION CARGO HANDLING AND STOWAGE EQUIPMENT IN ACCORDANCE WITH THE APPLICABLE TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO THE SHIP'S CSMP. NOTE: SHIP'S FORCE TO SUBMIT A 4790.2K FOR EQUIPMENT WITH OUT-OF-DATE PERIODICITY. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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**Task/Abbreviation:** I-77220-002- -(M)CAR AMMO HDLG ELEV - LD TST**MJC:** EXECM154**Rev Date:** 9/11/2008**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 72**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-77220-002)NSTM REQUIREMENT DUE

ACCOMP SATISFACTORY LOAD-TEST OF THE NO. 10 WEAPONS HANDLING ELEVATOR IAW NSTM 772-5.2.9 AS FOLLOWS: A. INSPECT WIRE ROPES, SHEAVES, WIRE ROPE SOCKETS, BRAKE BANDS & LIMIT SWITCHES FOR GENERAL CONDITION. B. ACCOMP NO-LOAD TEST, CYCLE FOR 30 MINUTES. INSP SAFETY DEVICES & INDICATOR LIGHTS. TEST OPERATE ALL CONTROLS. C. ACCOMP STATIC LOAD TEST AT TWICE THE RATED LOAD WITH THE BRAKE APPLIED FOR 10 MINUTES. NO SLIPPAGE ALLOWED. D. ACCOMP DYNAMIC LOAD TEST AT 1.5 TIMES THE RATED LOAD FOR TWO COMPLETE CYCLES IN ALL SPEEDS. MONITOR ELECTRIC MOTOR FOR SIGNS OF OVERHEATING. APPLY BRAKE WITH LOAD TRAVELING IN DOWN DIRECTION; MAXIMUM ALLOWABLE SLIPPAGE: 3 FEET. E. ACCOMP RATED LOAD TEST. F. ACCOMP EMERGENCY RUN TEST FOR 1 COMPLETE CYCLE. INSP FOR PROPER OPERATION. G. INSP & TEST THE OVERSPEED GOVERNOR & KNURLED ROLLER ASSEMBLY. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-77220-005- -(M)AMMO ELEV OVSP GOV - CAL |              |               | MJC: EXECM023 |                   | Rev Date: 9/11/2008 |
| RCM Analysis:                                                | Scheduled: Y | Sit Reqs:     | Qty: 1        | Removal Required: |                     |
| Lvl of Maint: 3                                              | Freq: 72     | Equip/Task: 1 | Matl Cost:    | ManDays: 10       | Alt No:             |
| Referenced Authority:                                        | Repair Pool: | MCC: 4        |               |                   |                     |

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|----------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                   |
| BASELINE | (I-77220-005)NSTM REQUIREMENT DUE | CALIBRATE THE NO. 10 WEAPONS HANDLING ELEVATOR OVERSPEED GOVERNOR TRIP SPEED IAW NSTM 772-5.2.9 AND THE APPLICABLE TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |

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| Task/Abbreviation: K-77220-006- -SHIPALT LHA1-00722K - ACCOMP |         |               | MJC: EXSAK039     |              | Rev Date: 5/3/2006    |                   |
| RCM Analysis:                                                 |         | Scheduled: N  | Sit Reqs:         |              | Qty: 1                | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 1 | Matl Cost: 50,000 | ManDays: 200 | Alt No: SALHA 00722 K |                   |
| Referenced Authority:                                         |         | Repair Pool:  |                   | MCC: 3       |                       |                   |

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| Reason:  | Problem Description:                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (K-77220-6) SHIPALT LHA1-00722K, REPL ELEV HOIST SLACK ROPE DEV, NOT ACCOMPLISHED | ACCOMPLISH SHIPALT LHA1-00722K WHICH REMOVES THE EXISTING HOIST SLACK ROPE DEVICES AND INSTALLS STANDARD HOIST SLACK ROPE DEVICES IN THE ELEVATOR MACHINERY ROOMS. A NEW RELAY CIRCUIT WILL ALSO BE INSTALLED UTILIZING EXISTING SLACK ROPE BY-PASS. THESE MODIFICATIONS AFFECT ELEVATORS 4, 5FWD, 5AFT, 9 & 10 ON LHA 1-4. THE SAME ELEVATORS ARE AFFECTED ON THE LHA-5 EXCEPT ELEVATOR 9 WHICH IS TO BE ACCOMPLISHED BY SHIPALT LHA1-625K. |

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**Task/Abbreviation:** Q-77220-007- -CAR AMMO ELEV WIRE ROPE - REPL**MJC:** EXECQBH8**Rev Date:** 5/21/2003**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 10,500**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:** N/A**MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-77220-007)WIRE ROPE REQUIRES  
REPLACEMENT

REPLACE ELEVATOR HOISTING WIRE ROPES, BASED ON CONDITION ASSESSMENT, AS FOLLOWS: A. REMOVE EXISTING HOISTING WIRE ROPES. B. LUBRICATE EACH NEW HOISTING WIRE ROPE WITH MIL-SPEC LUBRICANT (MIL-G-18458) WORKING THE LUBRICANT INTO THE VALLEYS AND BETWEEN THE STRANDS USING SUFFICIENT LUBRICANT TO COAT THE OUTER WIRES. C. INSTALL NEW HOISTING WIRE ROPES ENSURING ROPES ARE TAUT, ALIGNED WITH PLATFORM SOCKETS AND WIND ONTO DRUMS PROPERLY. D. CONDUCT A NO LOAD TEST AND STATIC LOAD TEST USING SYSTEM OPERABILITY TESTS (SOT) LEVEL III PROCEDURES. NOTES: 1. HOIST WIRE ROPES ARE INDEPENDENT WIRE ROPE CORE (IWRC), UNCOATED, PRE-STRESSED, EXTRA IMPROVED PLOW STEEL 6 X 37 IN ACCORDANCE WITH FEDERAL SPECIFICATION RR-W-410. 2. SWAGED WIRE ROPE END FITTINGS ARE TO BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SHALL BE SWAGED AND TESTED IN ACCORDANCE WITH MIL-SPEC MIL-T-6117.

|                                                                        |  |                             |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> I-77220-008- -(M)CAR AMMO HDLG ELEV - ASSESS |  |                             |  | <b>MJC:</b> EXECIHF7 |  | <b>Rev Date:</b> 7/22/2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> Y         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                 |  | <b>Freq:</b> 18             |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | <b>ManDays:</b> 0        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | <b>MCC:</b> 3            |  |                |  |
| NSTM CHAPTER 772-5.3.1 JFMM SECTION 8.4.1 GC:280000,MA:1300            |  |                             |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                          |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b> |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                          |  |                |  |
| BASELINE                                                               |  | (I-77220-08) ASSESSMENT DUE |  |                      |  | ASSESS THE CONDITION OF THE WEAPONS HANDLING ELEVATOR IAW SYSTEM OPERABILITY TEST LEVEL III (EXCLUDING LOAD TESTS) FOR GUIDANCE. A GENERAL REVIEW OF THE INTEGRATED LOGISTICS SUPPORT (ILS) DOCUMENTS (TECHNICAL MANUALS, APL, PMS) FOR DISCREPANCIES SHALL ALSO BE ACCOMPLISHED DURING THE ASSESSMENT. REPORT CONDITIONS FOUND TO THE NSA. NOTE: 1. SHIP'S FORCE TO SUBMIT A 4790.2K FOR EQUIPMENT WITH OUT-OF-DATE PERIODICITY. 2. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                          |  |                |  |



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| Task/Abbreviation: Q-77220-035- -AMMO HDLG ELEV CRIT HOSE- REPL          |           |               | MJC: EXECQCS3    |            | Rev Date: 12/16/2009 |                   |
| RCM Analysis:                                                            |           | Scheduled: Y  | Sit Reqs:        |            | Qty:                 | Removal Required: |
| Lvl of Maint: 2                                                          | Freq: 144 | Equip/Task: 1 | Matl Cost: 1,000 | ManDays: 4 | Alt No:              |                   |
| Referenced Authority:                                                    |           | Repair Pool:  |                  | MCC: 2     |                      |                   |
| NAVSEA S6430-AE-TED-010 NAVSEA CWP CRIT HOSE REPL PROG GC:700020,MA:2265 |           |               |                  |            |                      |                   |

| Reason:  | Problem Description:                                                                                                                                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BASELINE | (Q-77220-035) THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE WEAPONS HANDLING ELEVATOR CRITICAL FLEXIBLE HOSE ASSEMBLY REQUIRES REPLACEMENT AS REQUIRED BY THE NAVSEA CUMBERSOME WORK PRACTICES (CWP) CRITICAL HOSE REPLACEMENT PROGRAM. | REPLACE THE SYNTHETIC RUBBER HOSE MATERIAL FOR THE WEAPONS HANDLING ELEVATOR CRITICAL FLEXIBLE HOSE ASSEMBLY IN ACCORDANCE WITH NAVSEA S6430-AE-TED-010 AS FOLLOWS: A. REMOVE EXISTING FLEXIBLE HOSE ASSEMBLY. B. FABRICATE REPLACEMENT FLEXIBLE HOSE ASSEMBLY UTILIZING TEMPLATE SIZE AND CONFIGURATION FROM EXISTING SHIPBOARD CONDITIONS. C. REUSE EXISTING FITTINGS IF SERVICEABLE OR PROVIDE NEW FITTINGS. D. ACCOMPLISH A HYDROSTATIC TEST OF THE REPLACEMENT SYNTHETIC RUBBER FLEXIBLE HOSE ASSEMBLY. E. INSTALL A NEW IDENTIFICATION TAG. F. INSTALL THE REPLACEMENT CRITICAL FLEXIBLE HOSE ASSEMBLY. G. ACCOMPLISH AN OPERATIONAL TEST AT SYSTEM OPERATING PRESSURE. |

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**Task/Abbreviation:** I-77224-002- -(M)CAR AMMO HDLG ELEV - LD TST**MJC:** CXECM012**Rev Date:** 10/27/2008**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 72**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-77224-002)NSTM REQUIREMENT DUE

ACCOMP SATISFACTORY LOAD-TEST OF THE NO. 4 WEAPONS HANDLING ELEVATOR IAW NSTM CH-772-5.2.9 & 772-5.4 AS FOLLOWS: A. INSPECT WIRE ROPES, SHEAVES, WIRE ROPE SOCKETS, BRAKE BANDS & LIMIT SWITCHES FOR GENERAL CONDITION. B. ACCOMP NO-LOAD TEST, CYCLE FOR 30 MINUTES. INSP SAFETY DEVICES & INDICATOR LIGHTS. TEST OPERATE ALL CONTROLS. C. ACCOMP STATIC LOAD TEST AT TWICE THE RATED LOAD WITH THE BRAKE APPLIED FOR 10 MINUTES. NO SLIPPAGE ALLOWED. D. ACCOMP DYNAMIC LOAD TEST AT 1.5 TIMES THE RATED LOAD FOR TWO COMPLETE CYCLES IN ALL SPEEDS. MONITOR ELECTRIC MOTOR FOR SIGNS OF OVERHEATING. APPLY BRAKE WITH LOAD TRAVELING IN DOWN DIRECTION; MAXIMUM ALLOWABLE SLIPPAGE: 3 FEET. E. ACCOMP RATED LOAD TEST. F. ACCOMP EMERGENCY RUN TEST FOR 1 COMPLETE CYCLE. INSP FOR PROPER OPERATION. G. INSP & TEST THE OVERSPEED GOVERNOR & KNURLED ROLLER ASSEMBLY. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-77224-003- -(M)AMMO ELEV OVSP GOV - CAL   |                                   |               | MJC: EXECM184                                                                                                                                                                                                                                                                                                          |             | Rev Date: 4/6/2010 |  |
| RCM Analysis:                                                  |                                   | Scheduled: Y  | Sit Reqs:                                                                                                                                                                                                                                                                                                              | Qty: 1      | Removal Required:  |  |
| Lvl of Maint: 3                                                | Freq: 72                          | Equip/Task: 1 | Matl Cost:                                                                                                                                                                                                                                                                                                             | ManDays: 10 | Alt No:            |  |
| Referenced Authority:                                          |                                   | Repair Pool:  |                                                                                                                                                                                                                                                                                                                        | MCC: 3      |                    |  |
| NSTM CH-772, PARA. 772-5.4.9 PARA. 772-5.2.9 GC:280000,MA:2400 |                                   |               |                                                                                                                                                                                                                                                                                                                        |             |                    |  |
| Reason:                                                        | Problem Description:              |               | Recommended Solution:                                                                                                                                                                                                                                                                                                  |             |                    |  |
| BASELINE                                                       | (I-77224-003)NSTM REQUIREMENT DUE |               | CALIBRATE THE NO. 4 WEAPONS HANDLING ELEVATOR OVERSPEED GOVERNOR TRIP SPEED IAW NSTM 772-5.2.9 AND THE APPLICABLE TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |             |                    |  |

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**Task/Abbreviation:** Q-77224-005- -CAR AMMO ELEV WIRE ROPE - REPL**MJC:** EXECQBH4**Rev Date:** 5/21/2003**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 10,500**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:** N/A**MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-77224-005)WIRE ROPE REQUIRES  
REPLACEMENT

REPLACE ELEVATOR HOISTING WIRE ROPES, BASED ON CONDITION ASSESSMENT, AS FOLLOWS: A. REMOVE EXISTING HOISTING WIRE ROPES. B. LUBRICATE EACH NEW HOISTING WIRE ROPE WITH MIL-SPEC LUBRICANT (MIL-G-18458) WORKING THE LUBRICANT INTO THE VALLEYS AND BETWEEN THE STRANDS USING SUFFICIENT LUBRICANT TO COAT THE OUTER WIRES. C. INSTALL NEW HOISTING WIRE ROPES ENSURING ROPES ARE TAUT, ALIGNED WITH PLATFORM SOCKETS AND WIND ONTO DRUMS PROPERLY. D. CONDUCT A NO LOAD TEST AND STATIC LOAD TEST USING SYSTEM OPERABILITY TESTS (SOT) LEVEL III PROCEDURES. NOTES: 1. HOIST WIRE ROPES ARE INDEPENDENT WIRE ROPE CORE (IWRC), UNCOATED, PRE-STRESSED, EXTRA IMPROVED PLOW STEEL 6 X 37 IN ACCORDANCE WITH FEDERAL SPECIFICATION RR-W-410. 2. SWAGED WIRE ROPE END FITTINGS ARE TO BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SHALL BE SWAGED AND TESTED IN ACCORDANCE WITH MIL-SPEC MIL-T-6117.

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| <b>Task/Abbreviation:</b> I-77224-031- -(M)CAR AMMO HDLG ELEV - ASSESS |  |                             |                      | <b>MJC:</b> CXCIDA0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    | <b>Rev Date:</b> 9/15/2008 |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> Y         | <b>Sit Reqs:</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Qty:</b> 1      | <b>Removal Required:</b>   |  |
| <b>Lvl of Maint:</b> 3                                                 |  | <b>Freq:</b> 18             | <b>Equip/Task:</b> 1 | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>ManDays:</b> 10 | <b>Alt No:</b>             |  |
| <b>Referenced Authority:</b>                                           |  |                             | <b>Repair Pool:</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>MCC:</b> 3      |                            |  |
| NSTM 772-5.3 JFMM SECTION 8.4.1 GC:280000,MA:1300                      |  |                             |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                            |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b> |                      | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                            |  |
| BASELINE                                                               |  | (I-77224-031)ASSESSMENT DUE |                      | ASSESS THE CONDITION OF THE NO. 4 WEAPONS HANDLING ELEVATOR IAW SYSTEM OPERABILITY TEST LEVEL III (EXCLUDING LOAD TESTS) FOR GUIDANCE. A GENERAL REVIEW OF THE INTEGRATED LOGISTICS SUPPORT (ILS) DOCUMENTS (TECHNICAL MANUALS, APL, PMS) FOR DISCREPANCIES SHALL ALSO BE ACCOMPLISHED DURING THE ASSESSMENT. REPORT CONDITIONS FOUND TO THE NSA. NOTE: 1. SHIP'S FORCE TO SUBMIT A 4790.2K FOR EQUIPMENT WITH OUT-OF-DATE PERIODICITY. 2. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B |                    |                            |  |

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**Task/Abbreviation:** I-77225-002- -(M)CAR AMMO HDLG ELEV - LD TST**MJC:** CXECM013**Rev Date:** 9/15/2008**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 72**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-77225-002)NSTM REQUIREMENT DUE

ACCOMP SATISFACTORY LOAD-TEST OF THE NO. 5 WEAPONS HANDLING ELEVATOR IAW NSTM CH-772-5.2.9 & 772-5.4 AS FOLLOWS: A. INSPECT WIRE ROPES, SHEAVES, WIRE ROPE SOCKETS, BRAKE BANDS & LIMIT SWITCHES FOR GENERAL CONDITION. B. ACCOMP NO-LOAD TEST, CYCLE FOR 30 MINUTES. INSP SAFETY DEVICES & INDICATOR LIGHTS. TEST OPERATE ALL CONTROLS. C. ACCOMP STATIC LOAD TEST AT TWICE THE RATED LOAD WITH THE BRAKE APPLIED FOR 10 MINUTES. NO SLIPPAGE ALLOWED. D. ACCOMP DYNAMIC LOAD TEST AT 1.5 TIMES THE RATED LOAD FOR TWO COMPLETE CYCLES IN ALL SPEEDS. MONITOR ELECTRIC MOTOR FOR SIGNS OF OVERHEATING. APPLY BRAKE WITH LOAD TRAVELING IN DOWN DIRECTION; MAXIMUM ALLOWABLE SLIPPAGE: 3 FEET. E. ACCOMP RATED LOAD TEST. F. ACCOMP EMERGENCY RUN TEST FOR 1 COMPLETE CYCLE. INSP FOR PROPER OPERATION. G. INSP & TEST THE OVERSPEED GOVERNOR & KNURLED ROLLER ASSEMBLY. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-77225-003- -(M)AMMO ELEV OVSP GOV - CAL   |  |                                   | MJC: EXECM185 |               | Rev Date: 4/6/2010 |                                                                                                                                                                                                                                                                                                                        |                   |             |         |  |
| RCM Analysis:                                                  |  | Scheduled: Y                      |               | Sit Reqs:     |                    | Qty: 1                                                                                                                                                                                                                                                                                                                 | Removal Required: |             |         |  |
| Lvl of Maint: 3                                                |  | Freq: 72                          |               | Equip/Task: 1 |                    | Matl Cost:                                                                                                                                                                                                                                                                                                             |                   | ManDays: 10 | Alt No: |  |
| Referenced Authority:                                          |  |                                   | Repair Pool:  |               |                    | MCC: 3                                                                                                                                                                                                                                                                                                                 |                   |             |         |  |
| NSTM CH-772, PARA. 772-5.4.9 PARA. 772-5.2.9 GC:280000,MA:2400 |  |                                   |               |               |                    |                                                                                                                                                                                                                                                                                                                        |                   |             |         |  |
| Reason:                                                        |  | Problem Description:              |               |               |                    | Recommended Solution:                                                                                                                                                                                                                                                                                                  |                   |             |         |  |
| BASELINE                                                       |  | (I-77225-003)NSTM REQUIREMENT DUE |               |               |                    | CALIBRATE THE NO. 5 WEAPONS HANDLING ELEVATOR OVERSPEED GOVERNOR TRIP SPEED IAW NSTM 772-5.2.9 AND THE APPLICABLE TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |                   |             |         |  |

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**Task/Abbreviation:** Q-77225-005- -CAR AMMO ELEV WIRE ROPE - REPL**MJC:** EXECQBH5**Rev Date:** 5/21/2003**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 5**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 10,500**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:** N/A**MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(Q-77225-005)WIRE ROPE REQUIRES  
REPLACEMENT

REPLACE ELEVATOR HOISTING WIRE ROPES, BASED ON CONDITION ASSESSMENT, AS FOLLOWS: A. REMOVE EXISTING HOISTING WIRE ROPES. B. LUBRICATE EACH NEW HOISTING WIRE ROPE WITH MIL-SPEC LUBRICANT (MIL-G-18458) WORKING THE LUBRICANT INTO THE VALLEYS AND BETWEEN THE STRANDS USING SUFFICIENT LUBRICANT TO COAT THE OUTER WIRES. C. INSTALL NEW HOISTING WIRE ROPES ENSURING ROPES ARE TAUT, ALIGNED WITH PLATFORM SOCKETS AND WIND ONTO DRUMS PROPERLY. D. CONDUCT A NO LOAD TEST AND STATIC LOAD TEST USING SYSTEM OPERABILITY TESTS (SOT) LEVEL III PROCEDURES. NOTES: 1. HOIST WIRE ROPES ARE INDEPENDENT WIRE ROPE CORE (IWRC), UNCOATED, PRE-STRESSED, EXTRA IMPROVED PLOW STEEL 6 X 37 IN ACCORDANCE WITH FEDERAL SPECIFICATION RR-W-410. 2. SWAGED WIRE ROPE END FITTINGS ARE TO BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SHALL BE SWAGED AND TESTED IN ACCORDANCE WITH MIL-SPEC MIL-T-6117.



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| <b>Task/Abbreviation:</b> I-77225-031- -(M)CAR AMMO HDLG ELEV - ASSESS |  |                             |  | <b>MJC:</b> CXCIDA1  |  | <b>Rev Date:</b> 9/15/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> Y         |  | <b>Sit Reqs:</b>     |  | <b>Qty:</b> 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 3                                                 |  | <b>Freq:</b> 18             |  | <b>Equip/Task:</b> 1 |  | <b>Matl Cost:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                             |  | <b>Repair Pool:</b>  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <b>MCC:</b> 3            |  |                |  |
| NSTM 772-5.3 JFMM SECTION 8.4.1 GC:280000,MA:1300                      |  |                             |  |                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                          |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b> |  |                      |  | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                          |  |                |  |
| BASELINE                                                               |  | (I-77225-031)ASSESSMENT DUE |  |                      |  | ASSESS THE CONDITION OF THE NO. 5 WEAPONS HANDLING ELEVATOR IAW SYSTEM OPERABILITY TEST LEVEL III (EXCLUDING LOAD TESTS) FOR GUIDANCE. A GENERAL REVIEW OF THE INTEGRATED LOGISTICS SUPPORT (ILS) DOCUMENTS (TECHNICAL MANUALS, APL, PMS) FOR DISCREPANCIES SHALL ALSO BE ACCOMPLISHED DURING THE ASSESSMENT. REPORT CONDITIONS FOUND TO THE NSA. NOTE: 1. SHIP'S FORCE TO SUBMIT A 4790.2K FOR EQUIPMENT WITH OUT-OF-DATE PERIODICITY. 2. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B |  |                          |  |                |  |

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**Task/Abbreviation:** I-77229-002- -(M)CAR AMMO HDLG ELEV - LD TST**MJC:** EXECM183**Rev Date:** 9/16/2008**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** 1**Removal Required:** NO**Lvl of Maint:** 1**Freq:** 72**Equip/Task:** 1**Matl Cost:** 450**ManDays:** 10**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-77229-002)NSTM REQUIREMENT DUE

ACCOMP SATISFACTORY LOAD-TEST OF THE NO. 9 WEAPONS HANDLING ELEVATOR IAW NSTM CH-772-5.2.9 & 772-5.4 AS FOLLOWS: A. INSPECT WIRE ROPES, SHEAVES, WIRE ROPE SOCKETS, BRAKE BANDS & LIMIT SWITCHES FOR GENERAL CONDITION. B. ACCOMP NO-LOAD TEST, CYCLE FOR 30 MINUTES. INSP SAFETY DEVICES & INDICATOR LIGHTS. TEST OPERATE ALL CONTROLS. C. ACCOMP STATIC LOAD TEST AT TWICE THE RATED LOAD WITH THE BRAKE APPLIED FOR 10 MINUTES. NO SLIPPAGE ALLOWED. D. ACCOMP DYNAMIC LOAD TEST AT 1.5 TIMES THE RATED LOAD FOR TWO COMPLETE CYCLES IN ALL SPEEDS. MONITOR ELECTRIC MOTOR FOR SIGNS OF OVERHEATING. APPLY BRAKE WITH LOAD TRAVELING IN DOWN DIRECTION; MAXIMUM ALLOWABLE SLIPPAGE: 3 FEET. E. ACCOMP RATED LOAD TEST. F. ACCOMP EMERGENCY RUN TEST FOR 1 COMPLETE CYCLE. INSP FOR PROPER OPERATION. G. INSP & TEST THE OVERSPEED GOVERNOR & KNURLED ROLLER ASSEMBLY. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| Task/Abbreviation: I-77229-003- -(M)AMMO ELEV OVSP GOV - CAL   |  |                                   |  | MJC: EXECM187 |  | Rev Date: 8/30/2007                                                                                                                                                                                                                                                                                                    |  |                   |  |         |  |
| RCM Analysis:                                                  |  | Scheduled: Y                      |  | Sit Reqs:     |  | Qty: 1                                                                                                                                                                                                                                                                                                                 |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                                |  | Freq: 72                          |  | Equip/Task: 1 |  | Matl Cost:                                                                                                                                                                                                                                                                                                             |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                          |  |                                   |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                                                                        |  | MCC: 4            |  |         |  |
| NSTM CH-772, PARA. 772-5.4.9 PARA. 772-5.2.9 GC:280000,MA:2400 |  |                                   |  |               |  |                                                                                                                                                                                                                                                                                                                        |  |                   |  |         |  |
| Reason:                                                        |  | Problem Description:              |  |               |  | Recommended Solution:                                                                                                                                                                                                                                                                                                  |  |                   |  |         |  |
| BASELINE                                                       |  | (I-77229-003)NSTM REQUIREMENT DUE |  |               |  | CALIBRATE THE NO. 9 WEAPONS HANDLING ELEVATOR OVERSPEED GOVERNOR TRIP SPEED IAW NSTM 772-5.2.9 AND THE APPLICABLE TECHNICAL MANUAL. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B. |  |                   |  |         |  |

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| Task/Abbreviation: Q-77229-005- -CAR AMMO ELEV WIRE ROPE - REPL |              |                  | MJC: EXECQBH7     |                   | Rev Date: 5/21/2003 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:        | Qty: 5            | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 1    | Matl Cost: 10,500 | ManDays: 20       | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool: N/A | MCC: 3            |                   |                     |

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| Reason:  | Problem Description:                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (Q-77229-005)WIRE ROPE REQUIRES REPLACEMENT | REPLACE ELEVATOR HOISTING WIRE ROPES, BASED ON CONDITION ASSESSMENT, AS FOLLOWS: A. REMOVE EXISTING HOISTING WIRE ROPES. B. LUBRICATE EACH NEW HOISTING WIRE ROPE WITH MIL-SPEC LUBRICANT (MIL-G-18458) WORKING THE LUBRICANT INTO THE VALLEYS AND BETWEEN THE STRANDS USING SUFFICIENT LUBRICANT TO COAT THE OUTER WIRES. C.INSTALL NEW HOISTING WIRE ROPES ENSURING ROPES ARE TAUT, ALIGNED WITH PLATFORM SOCKETS AND WIND ONTO DRUMS PROPERLY. D. CONDUCT A NO LOAD TEST AND STATIC LOAD TEST USING SYSTEM OPERABILITY TESTS (SOT) LEVEL III PROCEDURES. NOTES: 1. HOIST WIRE ROPES ARE INDEPENDENT WIRE ROPE CORE (IWRC), UNCOATED, PRE-STESSED, EXTRA IMPROVED PLOW STEEL 6 X 37 IN ACCORDANCE WITH FEDERAL SPECIFICATION RR-W-410. 2. SWAGED WIRE ROPE END FITTINGS ARE TO BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SHALL BE SWAGED AND TESTED IN ACCORDANCE WITH MIL-SPEC MIL-T-6117. |

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| Task/Abbreviation: I-77229-031- -(M)CAR AMMO HDLG ELEV - ASSESS |  |                             |  | MJC: CXCIDA3  |  | Rev Date: 9/15/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                   |  |         |  |
| RCM Analysis:                                                   |  | Scheduled: Y                |  | Sit Reqs:     |  | Qty: 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                                 |  | Freq: 18                    |  | Equip/Task: 1 |  | Matl Cost:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | ManDays: 10       |  | Alt No: |  |
| Referenced Authority:                                           |  |                             |  | Repair Pool:  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | MCC: 3            |  |         |  |
| NSTM 772-5.3 JFMM SECTION 8.4.1 GC:280000,MA:1300               |  |                             |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                   |  |         |  |
| Reason:                                                         |  | Problem Description:        |  |               |  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                   |  |         |  |
| BASELINE                                                        |  | (I-77229-031)ASSESSMENT DUE |  |               |  | ASSESS THE CONDITION OF THE NO. 9 WEAPONS HANDLING ELEVATOR IAW SYSTEM OPERABILITY TEST LEVEL III (EXCLUDING LOAD TESTS) FOR GUIDANCE. A GENERAL REVIEW OF THE INTEGRATED LOGISTICS SUPPORT (ILS) DOCUMENTS (TECHNICAL MANUALS, APL, PMS) FOR DISCREPANCIES SHALL ALSO BE ACCOMPLISHED DURING THE ASSESSMENT. REPORT CONDITIONS FOUND TO THE NSA. NOTE: 1. SHIP'S FORCE TO SUBMIT A 4790.2K FOR EQUIPMENT WITH OUT-OF-DATE PERIODICITY. 2. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B |  |                   |  |         |  |

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**Task/Abbreviation:** I-78211-001- -(M)WPN HDLG HOIST - LD TST**MJC:** CXECM009**Rev Date:** 1/26/2007**RCM Analysis:****Scheduled:** Y**Sit Reqs:****Qty:** X**Removal Required:****Lvl of Maint:** 1**Freq:** 48**Equip/Task:** X**Matl Cost:****ManDays:** 5**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 9**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(I-78211-001)NSTM REQUIREMENT DUE

IAW NSTM CH-700, PARA. 700-4.5.3.1, LOAD-TEST THE AIRCRAFT WEAPONS HANDLING HOISTS AS FOLLOWS: A. INSPECT COMPONENTS FOR GENERAL CONDITION. B. ACCOMPLISH A NO-LOAD TEST; CYCLE FOR 30 MINUTES. INSPECT SAFETY DEVICES AND INDICATOR LIGHTS. OPERATIONALLY-TEST ALL CONTROLS. C. ACCOMPLISH A STATIC LOAD TEST AT TWICE THE RATED LOAD WITH THE BRAKE APPLIED FOR 10 MINUTES.ALLOWABLE SLIPPAGE: NONE. D. ACCOMPLISH A DYNAMIC LOAD TEST AT 1-1/2 TIMES THE RATED LOAD FOR 2 COMPLETE CYCLES IN ALL SPEEDS. MONITOR ELECTRIC MOTOR FOR SIGNS OF OVERHEATING. APPLY BRAKE WITH LOAD TRAVELING IN DOWN DIRECTION. MAXIMUM ALLOWABLE SLIPPAGE: 3 FEET. E. ACCOMPLISH A RATED LOAD TEST. F. ACCOMPLISH AN EMERGENCY RUN TEST FOR 1 COMPLETE CYCLE. INSPECT FOR PROPER OPERATION. REPORT CONDITIONS FOUND TO THE NSA. PROVIDE "AS-FOUND MATERIAL CONDITION" CODE IN THE SECOND POSITION OF THE "FINAL ACTION TAKEN" FIELD (2-KILO, BLOCK 64) IAW NAVSEAINST 4790.8B.

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| <b>Task/Abbreviation:</b> R-86031-001- -DEPARTURE RPRT (TYC) - PROV |  |                     |  | <b>MJC:</b> EXSYR047   |  | <b>Rev Date:</b> 6/10/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 431      |  | <b>ManDays:</b> 40       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>    |  |                            |  | <b>MCC:</b> 1            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                    | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE       | (R-86031-001)SUBMITTAL OF AN AVAILABILITY DEPARTURE REPORT IS REQUIRED AFTER THE AVAILABILITY. | PROVIDE AVAILABILITY DEPARTURE REPORT. SUBMIT REPORT NOT LATER THAN NINETY (90) DAYS AFTER DEPARTURE OF VESSEL FROM THE SHIPYARD. INCLUDE FINAL COST FOR EACH WORK ITEM IN THE REPORT GROUPED AND SUB-TOTALED IN THE FOLLOWING CATEGORIES: A. REPAIR ITEMS. B. "D" SHIPALTS. NOTE: THIS TASK IS ONLY APPLICABLE TO PUBLIC SECTOR AVAILABILITIES. FOR PRIVATE SECTOR AVAILABILITIES, THESE REQUIREMENTS WILL BE INVOKED BY NAVSEA CATEGORY 1 STANDARD ITEM 009-99 FOR EACH SOLICITATION. (TYCOM FUNDED) |

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| <b>Task/Abbreviation:</b> R-86031-002- -DEPARTURE RPRT (NSSC) - PROV |  |                     |  | <b>MJC:</b> EXSYR048   |  | <b>Rev Date:</b> 6/10/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 43       |  | <b>ManDays:</b> 4        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>    |  |                            |  | <b>MCC:</b> 1            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                    | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE       | (R-86031-002)SUBMITTAL OF AN AVAILABILITY DEPARTURE REPORT IS REQUIRED AFTER THE AVAILABILITY. | PROVIDE AVAILABILITY DEPARTURE REPORT. SUBMIT REPORT NOT LATER THAN NINETY (90) DAYS AFTER DEPARTURE OF VESSEL FROM THE SHIPYARD. INCLUDE FINAL COST FOR EACH WORK ITEM IN THE REPORT GROUPED AND SUB-TOTALED IN THE FOLLOWING CATEGORIES: A. REPAIR ITEMS. B. "K" SHIPALTS. NOTE: THIS TASK IS ONLY APPLICABLE TO PUBLIC SECTOR AVAILABILITIES. FOR PRIVATE SECTOR AVAILABILITIES, THESE REQUIREMENTS WILL BE INVOKED BY NAVSEA CATEGORY 1 STANDARD ITEM 009-99 FOR EACH SOLICITATION. (NAVSEA FUNDED) |



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| <b>Task/Abbreviation:</b> R-86031-004- -AVLBL DATA - PROV |  |                     |  | <b>MJC:</b> EXSYR109   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                      |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                    |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 136     |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                              |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 1            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                            | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                           |
| BASELINE       | (R-86031-004)COPIES OF AVAILABILITY RELATED DATA SHOULD BE PROVIDED TO THE SHIP AND THE PORT ENGINEER. | PROVIDE SHIP AND PORT ENGINEER WITH COPIES OF JOB ORDERS, TEST AND INSPECTION REPORT, CONDITION REPORTS, LAB REPORTS, MAINTENANCE, REPAIRS, REPLACEMENT, CHANGES, DRAWINGS AND MATERIAL ORDERS, ETC., WHICH HAVE BEEN ACCOMPLISHED BY THE SHIPYARD/CONTRACTOR DURING THE AVAILABILITY. |

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| Task/Abbreviation: R-86071-002- -COMPT CLOSEOUT SCHED - PROV |  |              |  | MJC: EXSYR293   |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                                |  | Scheduled: N |  | Sit Reqs:       |  | Qty: 001           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                              |  | Freq: 0      |  | Equip/Task: 001 |  | Matl Cost:         |  | ManDays: 18       |  | Alt No: |  |
| Referenced Authority:                                        |  |              |  | Repair Pool:    |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (R-86071-002)A COMPARTMENT CLOSEOUT SCHEDULE IS REQUIRED TO SUPPORT THE AVAILABILITY. | PROVIDE A COMPARTMENT CLOSEOUT SCHEDULE THAT CONTAINS THE FOLLOWING MINIMUM INFORMATION AND UPDATE THE SCHEDULE AS REQUIRED: A. LIST OF COMPARTMENTS WHERE WORK HAS BEEN OR REMAINS TO BE ACCOMPLISHED. B. DESCRIPTION OF THE WORK THAT REMAINS TO BE ACCOMPLISHED. C. IMPACT OF SHIP'S FORCE WORK. D. WHEN WORK IS TO BE COMPLETED. NOTE: FOR PRIVATE SECTOR AVAILABILITIES, THIS TASK IS ONLY APPLICABLE WHEN NAVSEA CATEGORY 1 STANDARD ITEM 009-81 IS NOT INVOKED AS PART OF THE SOLICITATION. |

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| Task/Abbreviation: R-86111-003- -CS PLNG&ENGRG SVCE (TYC) -PROV |              | MJC: EXSYR028   | Rev Date: 6/9/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 13,541  | ManDays: 125      | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3          |                    |                   |         |

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| Reason:  | Problem Description:                                                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (R-86111-003)COMBAT SYSTEMS ENGINEERING AND TESTING SUPPORT SERVICES ARE REQUIRED FOR THE AVAILABILITY. | PROVIDE AVAILABILITY COMBAT SYSTEMS PLANNING AND ENGINEERING SERVICES TO ACCOMPLISH THE FOLLOWING: DEVELOP TEST CONDUCT SCHEDULE FOR ALL REQD TESTS; MANAGE SY/SF AVAIL TEST PROGRAM; CHAIR PERIODIC TEST TASK GROUP MEETING'S WITH SF TO ENSURE COMPLIANCE WITH TESTING MILESTONES; MAINTAIN TEST PROBLEM AND/OR EQUIPMENT DISCREPANCY IDENTIFICATION AND RESOLUTION STATUS; SCHEDULE GOVERNMENT TEST AND/OR CERT ACTIVITIES ON TEST SEQUENCE NETWORKS; EVALUATE COMPLETED TEST PROCEDURE DATA; PROVIDE COMPLETED TEST PROCEDURES TO THE SHIP; PERFORM ALIGNMENT ADJUSTMENTS TO BRING ALL ELEMENTS TO A COMMON REFERENCE; TRAM AND BENCHMARK DATA SHALL BE ENGRAVED ON BRASS PLATES AND AFFIXED TO THE APPLICABLE EQUIPMENT; PROVIDE COPIES OF ALIGNMENT DATA TO THE SHIP AND NSWG, PORT HUENEME, CA. AT AVAIL COMPLETION; PROVIDE NECESSARY SUPPORT SERVICES TO THE FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACTIVITY TEAM DURING CONDUCT OF SYSTEM INTEGRATION TESTS; CONDUCT COMBAT SYSTEM TESTING. NOTE: NOT REQD IF TASKS R-84111-3, R-84421-1 AND R-84431-2 ARE AUTHORIZED. (TYCOM PORTION) |

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| <b>Task/Abbreviation:</b> R-86111-004- -CS WTRFR ENGRG SVCE (TYC)-PROV |  |                     |  | <b>MJC:</b> EXSYR032   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 811     |  | <b>ManDays:</b> 44       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                               | <b>Recommended Solution:</b>                                                                                                |
| BASELINE       | (R-86111-004)COMBAT SYSTEMS WATERFRONT ENGINEERING SUPPORT SERVICES ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE COMBAT SYSTEMS WATERFRONT ENGINEERING SERVICES IN SUPPORT OF REPAIR WORK ITEMS AND PROBLEM RESOLUTION. TYCOM FUNDED |

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| Task/Abbreviation: R-86112-003- -CS PLNG&ENGRG SVCE (NSSC)-PROV |              | MJC: EXSYR214   | Rev Date: 6/9/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 5,416   | ManDays: 50       | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 1          |                    |                   |         |

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| Reason:  | Problem Description:                                                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (R-86112-003)COMBAT SYSTEMS ENGINEERING AND TESTING SUPPORT SERVICES ARE REQUIRED FOR THE AVAILABILITY. | PROVIDE AVAILABILITY COMBAT SYSTEMS PLANNING AND ENGINEERING SERVICES TO ACCOMPLISH THE FOLLOWING: DEVELOP TEST CONDUCT SCHEDULE FOR ALL REQD TESTS; MANAGE SY/SF AVAIL TEST PROGRAM; CHAIR PERIODIC TEST TASK GROUP MEETING'S WITH SF TO ENSURE COMPLIANCE WITH TESTING MILESTONES; MAINTAIN TEST PROBLEM AND/OR EQUIPMENT DISCREPANCY IDENTIFICATION AND RESOLUTION STATUS; SCHEDULE GOVERNMENT TEST AND/OR CERT ACTIVITIES ON TEST SEQUENCE NETWORKS; EVALUATE COMPLETED TEST PROCEDURE DATA; PROVIDE COMPLETED TEST PROCEDURES TO THE SHIP; PERFORM ALIGNMENT ADJUSTMENTS TO BRING ALL ELEMENTS TO A COMMON REFERENCE; TRAM AND BENCHMARK DATA SHALL BE ENGRAVED ON BRASS PLATES AND AFFIXED TO THE APPLICABLE EQUIPMENT; PROVIDE COPIES OF ALIGNMENT DATA TO THE SHIP AND NSWG, PORT HUENEME, CA. AT AVAIL COMPLETION; PROVIDE NECESSARY SUPPORT SERVICES TO THE FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACTIVITY TEAM DURING CONDUCT OF SYSTEM INTEGRATION TESTS; CONDUCT COMBAT SYSTEM TESTING. NOTE: NOT REQD IF TASKS R-84111-4, R-84421-2 AND R-84431-3 ARE AUTHORIZED. (NAVSEA PORTION) |

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| <b>Task/Abbreviation:</b> R-86112-004- -CS WTRFR ENGRG SVCE(NSSC)-PROV |  |                     |  | <b>MJC:</b> EXSYR216   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 324     |  | <b>ManDays:</b> 18       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                               | <b>Recommended Solution:</b>                                                                                          |
| BASELINE       | (R-86112-004)COMBAT SYSTEMS WATERFRONT ENGINEERING SUPPORT SERVICES ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE COMBAT SYSTEMS WATERFRONT ENGINEERING SERVICES IN SUPPORT OF WORK ITEMS AND PROBLEM RESOLUTION. NAVSEA FUNDED |

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| Task/Abbreviation: R-86113-001- -FULL CS ALIGN (TYC) - PERFORM |              | MJC: EXSYR034   | Rev Date: 6/9/2009 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 001 | Matl Cost: 2,546   | ManDays: 39       | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 4          |                    |                   |         |

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| Reason:  | Problem Description:                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (R-86113-001)ALIGNMENT OF THE ENTIRE COMBAT SYSTEMS IS REQUIRED. | FULL COMBAT SYSTEMS ALIGNMENT - PERFORM ALIGNMENT ADJUSTMENTS TO BRING ALL ELEMENTS OF THE SEARCH RADARS, SONAR, FIRE CONTROL RADARS, COMPUTERS, GYROS, STABLE ELEMENTS, GUNS, ASROC, MISSILE LAUNCHERS, UNDERWATER FIRE CONTROL SYSTEM AND TORPEDO LAUNCHERS TO A COMMON REFERENCE. ALIGNMENT CHECKS SHALL CONFORM WITH SW 225-AO-MMA-010/OP 762 AND THE APPLICABLE CLASS TOTAL SHIP ALIGNMENT DOCUMENTATION AND SHALL INCLUDE ROLLER PATH INCLINATION AND ELECTRICAL ZERO VALUES. ALL TRAM AND BENCH MARK DATA SHALL BE ENGRAVED ON BRASS PLATES AND AFFIXED TO THE APPLICABLE EQUIPMENT. PROVIDE A COMPLETE SET OF BATTERY ALIGNMENT DATA TO THE SHIP PRIOR TO AVAILABILITY COMPLETION. NOTES: 1. NEED FOR FULL COMBAT SYSTEMS ALIGNMENT IS TO BE DETERMINED BY A QUALIFIED ALIGNMENT AUTHORITY WITH THE CONCURRENCE OF PHD NSWC CODE 4850. 2. CONTACT SHIP TRAINING ALIGNMENT VERIFICATION (STAV) TEAM (RMC) OR PHD NSWC CODE 4850, FOR ASSISTANCE. (TYCOM PORTION) |

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**Task/Abbreviation:** R-86113-002- -FULL CS ALIGN (NSSC) - PERFORM**MJC:** EXSYR218**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 1,018**ManDays:** 16**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86113-002)ALIGNMENT OF THE ENTIRE COMBAT SYSTEMS IS REQUIRED.

FULL COMBAT SYSTEMS ALIGNMENT - PERFORM ALIGNMENT ADJUSTMENTS TO BRING ALL ELEMENTS OF THE SEARCH RADARS, SONAR, FIRE CONTROL RADARS, COMPUTERS, GYROS, STABLE ELEMENTS, GUNS, ASROC, MISSILE LAUNCHERS, UNDERWATER FIRE CONTROL SYSTEM AND TORPEDO LAUNCHERS TO A COMMON REFERENCE. ALIGNMENT CHECKS SHALL CONFORM WITH SW 225-AO-MMA-010/OP 762 AND THE APPLICABLE CLASS TOTAL SHIP ALIGNMENT DOCUMENTATION AND SHALL INCLUDE ROLLER PATH INCLINATION AND ELECTRICAL ZERO VALUES. ALL TRAM AND BENCH MARK DATA SHALL BE ENGRAVED ON BRASS PLATES AND AFFIXED TO THE APPLICABLE EQUIPMENT. PROVIDE A COMPLETE SET OF BATTERY ALIGNMENT DATA TO THE SHIP PRIOR TO AVAILABILITY COMPLETION. NOTES: 1. NEED FOR FULL COMBAT SYSTEMS ALIGNMENT IS TO BE DETERMINED BY A QUALIFIED ALIGNMENT AUTHORITY WITH THE CONCURRENCE OF PHD NSWC CODE 4850. 2. CONTACT SHIP TRAINING ALIGNMENT VERIFICATION (STAV) TEAM (RMC) OR PHD NSWC CODE 4850, FOR ASSISTANCE. (NAVSEA PORTION)



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| Task/Abbreviation: R-86113-005- -RADHAZ CO ZONE CERT - ACCOMP |                                   |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MJC: EXSYR193 | Rev Date: 6/9/2009 |
| RCM Analysis:                                                 |                                   | Scheduled: N  | Sit Reqs:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Qty: 1        | Removal Required:  |
| Lvl of Maint: 3                                               | Freq: 0                           | Equip/Task: 1 | Matl Cost:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ManDays: 3    | Alt No:            |
| Referenced Authority:                                         |                                   | Repair Pool:  | MCC: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |                    |
| Reason:                                                       | Problem Description:              |               | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |                    |
| BASELINE                                                      | (R-86113-005)NSTM REQUIREMENT DUE |               | ACCOMPLISH RADIATION HAZARD (RADHAZ) CUTOUT ZONE INSPECTION AND CERTIFICATION IN ACCORDANCE WITH REQUIREMENTS OF NAVSEAINST 9700.2. NOTE 1: THIS TASK WILL BE ACCOMPLISHED WHENEVER A SHIPALT HAS BEEN DONE WHICH AFFECTS THE RADHAZ ZONES OR IF IT HAS BEEN MORE THAN THREE YEARS SINCE THE LAST CERTIFICATION. NOTE 2: THE RADHAZ CUTOUT ZONE INSPECTION AND CERTIFICATION WILL BE DONE BY NAVAL SURFACE WARFARE CENTER, DAHLGREN DIVISION. NOTE 3: TASK R-86113-6 PROVIDES FOR SHIPYARD SUPPORT AND INDUSTRIAL ASSISTANCE DURING THE RADHAZ CUTOUT ZONE CERTIFICATION PROCESS. NOTE 4: THIS TASK IS NAVSEA FUNDED. |               |                    |

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**Task/Abbreviation:** R-86113-006- -RADHAZ CO ZONE CERT-SPRT**MJC:** EXSYR310**Rev Date:** 6/9/2009**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,100**ManDays:** 12**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86113-006)SY SUPPORT REQD FOR RADHAZ  
CUTOUT ZONE CERT

SUPPORT RADHAZ CUTOUT ZONE CERTIFICATION PROCESS AS FOLLOWS: A. PROVIDE INDUSTRIAL ASSISTANCE TO NAVSURFWARCENDIV DAHLGREN DURING ACCOMPLISHMENT OF RADHAZ ZONE SHIPBOARD INSPECTION AS APPROVED BY THE NSA TO THE LIMIT OF FUNDS AUTHORIZED. PROVIDE ( ) MANDAYS & \$( ) MATL. B. ACCOMPLISH ADDL SUPPORT IAW REQMTS OF NAVSEAINST 9700.2 TO TYPICALLY INCLUDE BUT NOT LIMITED TO THE FOLLOWING: (1) INSTALL ALL CUTOUT MECHANISMS IAW PRODUCTION SCHEDULES & PRESCRIBED PROCEDURES SPECIFIED IN OPNAVINST 8023.2C OR LATER. (2) PERFORM COMPLETE CHECKOUT TESTING OF RADHAZ CUTOUT ZONES FOR EACH TRAINABLE WEAPON & DIRECTOR. (3) PROVIDE SHIP DWGS REQD FOR ZONE DETERMINATION TO NAVSURFWARCENDIV DAHLGREN. (4) REPORT STATUS OF NAVSURFWARCENDIV DAHLGREN'S CERTIFICATION OF RADHAZ CUTOUT ZONE REQMTS DURING THE AVAILABILITY. NOTE 1: ACCOMPLISH IN CONJUNCTION WITH TASK R-86113-5. NOTE 2: WORK REQMTS IN PARA B WILL ONLY BE ACCOMPLISHED BY THIS TASK WHEN NO S/A'S HAVE BEEN DONE THAT AFFECT RADHAZ CUTOUT ZONES. WHEN A S/A HAS BEEN DONE THAT AFFECTS RADHAZ CUTOUT ZONES, WORK REQMTS IN PARA B SHOULD BE INCLUDED IN THE S/A WORK ITEM. NOTE 3: NAVSEA FUNDED.

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| Task/Abbreviation: R-86113-007- -P&FCO ZONE CERT - ACCOMP |  |              |  | MJC: EXSYR195 |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                             |  | Scheduled: N |  | Sit Reqs:     |  | Qty: 1             |  | Removal Required: |  |         |  |
| Lvl of Maint: 3                                           |  | Freq: 0      |  | Equip/Task: 1 |  | Matl Cost:         |  | ManDays: 3        |  | Alt No: |  |
| Referenced Authority:                                     |  |              |  | Repair Pool:  |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (R-86113-007)NSTM REQUIREMENT DUE | ACCOMPLISH POINTING AND FIRING CUTOUT (P&FCO) ZONE INSPECTION AND CERTIFICATION IN ACCORDANCE WITH REQUIREMENTS OF NAVSEAINST 9700.2. NOTE 1: THIS TASK WILL BE ACCOMPLISHED WHENEVER A SHIPALT HAS BEEN DONE WHICH AFFECTS THE P&FCO ZONES OR IF IT HAS BEEN MORE THAN THREE YEARS SINCE THE LAST CERTIFICATION. NOTE 2: THE P&FCO ZONE INSPECTION AND CERTIFICATION WILL BE DONE BY NAVAL SURFACE WARFARE CENTER, DAHLGREN DIVISION. NOTE 3: TASK R-86113-8 PROVIDES FOR SHIPYARD SUPPORT AND INDUSTRIAL ASSISTANCE DURING THE P&FCO ZONE CERTIFICATION PROCESS. NOTE 4: THIS TASK IS NAVSEA FUNDED. |

**Task/Abbreviation:** R-86113-008- -P&FCO ZONE CERT - SPRT**MJC:** EXSYR164**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 1,100**ManDays:** 12**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86113-008)SY SUPPORT REQD FOR P&amp;FCO ZONE CERT

SUPPORT P&FCO ZONE CERTIFICATION PROCESS AS FOLLOWS: A. PROVIDE INDUSTRIAL ASSISTANCE TO NAVSURFWARCENDIV DAHLGREN DURING ACCOMPLISHMENT OF P&FCO ZONE SHIPBOARD INSPECTION AS APPROVED BY THE NAVAL SUPERVISING ACTIVITY TO THE LIMIT OF FUNDS AUTHORIZED. PROVIDE ( ) MANDAYS & \$( ) MATERIAL. B. ACCOMPLISH ADDITIONAL SUPPORT IAW REQMTS OF NAVSEAINST 9700.2 TO TYPICALLY INCLUDE BUT NOT LIMITED TO THE FOLLOWING: (1) INSTALL ALL CUTOUT MECHANISMS IAW PRODUCTION SCHEDULES & PRESCRIBED PROCEDURES SPECIFIED IN OPNAVINST 8023.2C OR LATER. (2) PERFORM COMPLETE CHECKOUT TESTING OF P&FCO ZONES FOR EACH TRAINABLE WEAPON & DIRECTOR. (3) PROVIDE SHIP DRAWINGS REQUIRED FOR ZONE DETERMINATION TO NAVSURFWARCENDIV DAHLGREN. (4) REPORT STATUS OF NAVSURFWARCENDIV DAHLGREN'S CERTIFICATION OF P&FCO ZONE REQMTS DURING THE AVAILABILITY. NOTE 1: ACCOMPLISH IN CONJUNCTION WITH TASK R-86113-7. NOTE 2: WORK REQMTS IN PARA B WILL ONLY BE ACCOMPLISHED BY THIS TASK WHEN NO S/A'S HAVE BEEN DONE THAT AFFECT P&FCO ZONES. WHEN A S/A HAS BEEN DONE THAT AFFECTS P&FCO ZONES, WORK REQMTS IN PARA B SHOULD BE INCLUDED IN THE S/A WORK ITEM. NOTE 3: TASK IS NAVSEA FUNDED.

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| <b>Task/Abbreviation:</b> R-86121-001- -WTRFR ENGRG SVCE (TYC) - PROV |  |                     |  | <b>MJC:</b> EXSYR019   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 713     |  | <b>ManDays:</b> 146      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                | <b>Recommended Solution:</b>                                                                                                     |
| BASELINE       | (R-86121-001)WATERFRONT ENGINEERING SUPPORT SERVICES ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE WATERFRONT ENGINEERING SERVICES TO RESOLVE TECHNICAL PROBLEMS IN SUPPORT OF TYCOM REPAIRS AND ALTERATIONS. TYCOM FUNDED. |

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| Task/Abbreviation: R-86121-002- -NSY ENGRG SVCE (TYC) - PROV |         |                 | MJC: EXSYR207    |              | Rev Date: 6/9/2009 |                   |
| RCM Analysis:                                                |         | Scheduled: N    | Sit Reqs:        |              | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 001 | Matl Cost: 6,673 | ManDays: 231 | Alt No:            |                   |
| Referenced Authority:                                        |         | Repair Pool:    |                  | MCC: 3       |                    |                   |

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| Reason:  | Problem Description:                                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (R-86121-002)NAVAL SHIPYARD PLANNING, ENGINEERING, DESIGN, TESTING AND LOGISTICS SUPPORT SERVICES ARE REQUIRED FOR THE AVAILABILITY. | PROVIDE THE FOLLOWING ENGINEERING SERVICES, PAPER AND MATERIAL: A. MATERIAL PLANNING SERVICES. B. NECESSARY PRODUCTION ENGINEERING SERVICES. C. NECESSARY DESIGN DIVISION SERVICES. D. PLANNING AND ESTIMATING SERVICES. E. TEST WRITING SUPPORT SERVICES. F. PROVISIONING TECHNICAL DOCUMENTATION - PROVIDE DOCUMENTATION FOR SHIPYARD FURNISHED MATERIAL. NOTE: THIS TASK IS ONLY APPLICABLE TO PUBLIC SECTOR AVAILABILITIES. (TYCOM PORTION) |

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| <b>Task/Abbreviation:</b> R-86121-003- -TP PREP/RVW/CERT (TYC) - PROV |  |                     |  | <b>MJC:</b> EXSYR023   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 1,614   |  | <b>ManDays:</b> 95       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                              | <b>Recommended Solution:</b>                                                                                                     |
| BASELINE       | (R-86121-003)TESTING SUPPORT SERVICES ARE REQUIRED FOR THE AVAILABILITY. | PROVIDE TEST PROCEDURE PREPARATION, REVIEW AND CERTIFICATION FOR TYPE COMMANDER AUTHORIZED REPAIRS AND ALTERATIONS. TYCOM FUNDED |

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| <b>Task/Abbreviation:</b> R-86122-001- -WTRFR ENGRG SVCE (NSSC) -PROV |  |                     |  | <b>MJC:</b> EXSYR021   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 214     |  | <b>ManDays:</b> 44       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 1            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                      | <b>Recommended Solution:</b>                                                                                                                  |
| BASELINE       | (R-86122-001)WATERFRONT ENGINEERING<br>SUPPORT SERVICES ARE REQUIRED DURING THE<br>AVAILABILITY. | PROVIDE WATERFRONT ENGINEERING SERVICES TO RESOLVE<br>TECHNICAL PROBLEMS IN SUPPORT OF NAVSEA-AUTHORIZED TITLE<br>"K" SHIPALTS. NAVSEA FUNDED |



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| Task/Abbreviation: R-86122-002- -NSY ENGRG SVCE (NSSC) - PROV |              | MJC: EXSYR209   | Rev Date: 6/9/2009 |                   |         |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 001 | Matl Cost: 2,002   | ManDays: 69       | Alt No: |
| Referenced Authority:                                         | Repair Pool: | MCC: 2          |                    |                   |         |

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| Reason:  | Problem Description:                                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (R-86122-002)NAVAL SHIPYARD PLANNING, ENGINEERING, DESIGN, TESTING AND LOGISTICS SUPPORT SERVICES ARE REQUIRED FOR THE AVAILABILITY. | PROVIDE THE FOLLOWING ENGINEERING SERVICES, PAPER AND MATERIAL: A. MATERIAL PLANNING SERVICES. B. NECESSARY PRODUCTION ENGINEERING SERVICES. C. NECESSARY DESIGN DIVISION SERVICES. D. PLANNING AND ESTIMATING SERVICES. E. TEST WRITING SUPPORT SERVICES. F. PROVISIONING TECHNICAL DOCUMENTATION - PROVIDE DOCUMENTATION FOR SHIPYARD FURNISHED MATERIAL. NOTE: THIS TASK IS ONLY APPLICABLE TO PUBLIC SECTOR AVAILABILITIES. (NAVSEA PORTION) |

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| <b>Task/Abbreviation:</b> R-86122-003- -TP PREP/RVW/CERT (NSSC) - PROV |  |                                                                          |  | <b>MJC:</b> EXSYR211   |  | <b>Rev Date:</b> 6/9/2009                                                                                 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N                                                      |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001                                                                                           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0                                                           |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 692                                                                                     |  | <b>ManDays:</b> 41       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                                                                          |  | <b>Repair Pool:</b>    |  |                                                                                                           |  | <b>MCC:</b> 4            |  |                |  |
| <b>Reason:</b>                                                         |  | <b>Problem Description:</b>                                              |  |                        |  | <b>Recommended Solution:</b>                                                                              |  |                          |  |                |  |
| BASELINE                                                               |  | (R-86122-003)TESTING SUPPORT SERVICES ARE REQUIRED FOR THE AVAILABILITY. |  |                        |  | PROVIDE TEST PROCEDURE PREPARATION, REVIEW AND CERTIFICATION FOR NAVSEA TITLE "K" SHIPALTS. NAVSEA FUNDED |  |                          |  |                |  |

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| Task/Abbreviation:    |            | R-86122-004- -WT&MOMENT SUMMARY (NSSC)- PROV |           |             | MJC: | EXSYR212   | Rev Date:         | 6/9/2009 |    |         |  |
| RCM Analysis:         | Scheduled: | N                                            | Sit Reqs: |             | Qty: | 001        | Removal Required: |          |    |         |  |
| Lvl of Maint:         | 1          | Freq:                                        | 0         | Equip/Task: | 001  | Matl Cost: | 440               | ManDays: | 14 | Alt No: |  |
| Referenced Authority: |            | Repair Pool:                                 |           |             | MCC: |            | 3                 |          |    |         |  |

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| Reason:  | Problem Description:                                                                         | Recommended Solution:                                                                                                                                                                                                                                               |
| BASELINE | (R-86122-004)DOCUMENTATION OF WEIGHT AND MOMENT CHANGES DURING THE AVAILABILITY IS REQUIRED. | MAINTAIN ACCOUNTABILITY OF WEIGHT AND MOMENT CHANGES RESULTING FROM WORK ACCOMPLISHED DURING THE AVAILABILITY. PROVIDE CALCULATED SUMMATION OF WEIGHT AND MOMENT CHANGES RESULTING FROM WEIGHTS REMOVED, RELOCATED AND ADDED DURING THE AVAILABILITY. NAVSEA FUNDED |

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**Task/Abbreviation:** R-86131-002- -SSR (NSSC) - UPDATE**MJC:** EXSYR204**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:****ManDays:** 22**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86131-002)SERVICES TO UPDATE SHIP'S  
SELECTED RECORDS ARE REQUIRED DURING THE  
AVAILABILITY.

PROVIDE FOR REVISION, REPORTING AND REPRINTING OF SHIP'S  
SELECTED RECORDS (SSR) IN ACCORDANCE WITH FLEET  
MODERNIZATION PROGRAM MANAGEMENT AND OPERATIONS  
MANUAL, SL720-AA-MAN-010, FOR DATA THAT IS DIRECTLY  
AFFECTED BY THIS AVAILABILITY. THE FOLLOWING DOCUMENTS  
AND DRAWINGS ARE INCLUDED: A. SELECTED RECORD DRAWINGS -  
DOCKING DRAWINGS, BOOKLET OF GENERAL DRAWINGS,  
SCHEDULES OF WATERTIGHT INTEGRITY TESTS AND INSPECTIONS,  
TANK CAPACITY AND VERTICAL CENTER OF GRAVITY CURVES,  
BOOKLET OF TANK SOUNDING TABLES, AND THE UNREP RIGGING  
DRAWINGS & ASBESTOS REMOVAL PLAN (IF APPL). B. SELECTED  
RECORD DATA - SHIP'S INFORMATION BOOK (SIB), TECHNICAL  
MANUALS, DAMAGE CONTROL BOOKS AND PLATES, PROPULSION  
OPERATING GUIDES (POG), SHIP'S DRAWING INDEX (SDI) AND  
PUBLICATION APPLICABILITY LIST (PAL), INDEX OF TECHNICAL  
MANUALS. NAVSEA FUNDED

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**Task/Abbreviation:** R-86151-001- -PROD PLNG SVCE (TYC) - PROV**MJC:** EXSYR198**Rev Date:** 6/9/2009**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 4,635**ManDays:** 161**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:**

BASELINE

**Problem Description:**

(R-86151-001)PLANNING AND ESTIMATING SERVICES ARE REQUIRED DURING THE AVAILABILITY.

**Recommended Solution:**

PROVIDE THE FOLLOWING PRODUCTION PLANNING AND ESTIMATING, SCHEDULING, PROGRESS MONITORING, ENGINEERING AND TECHNICAL SUPPORT SERVICES IN SUPPORT OF TYCOM FUNDED REPAIRS AND ALTERATIONS, AS AUTHORIZED, DURING THE AVAILABILITY AS FOLLOWS: A. PROCESS WORK SPECS AND DEVELOP PACKAGE TO IDENTIFY PRODUCTION, MANPOWER & DISCIPLINE REQUIREMENTS. B. REVIEW MRL'S. RECOMMEND ALTERNATE MATERIALS AND FABRICATIONS TO RESOLVE PROCUREMENT PROBLEMS. C. MONITOR FABRICATIONS AND PROVIDE TECHNICAL GUIDANCE TO ASSURE CONFORMANCE WITH THE INTENT OF THE SPEC. D. PROVIDE ENGINEERING SUPPORT AND TECHNICAL GUIDANCE FOR THE PRODUCTION AND MATERIAL DEPARTMENTS. E. ASSIST IN ADMINISTRATION AND PERFORMANCE OF TESTING AND QUALITY CONTROL. F. SCHEDULE AND MONITOR PRODUCTION AND SUBCONTRACTOR PROGRESS FOR PROGRAMMED SCHEDULE ADHERENCE. G. DEVELOP GROWTH WORK TRANSMITTALS AND NEW WORK SPECS; PLAN, ESTIMATE AND SCHEDULE GWTH & NEW WORK. TYCOM PORTION.

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| Task/Abbreviation: R-86151-002- -PROD PLNG SVCE (NSSC) - PROV |              | MJC: EXSYR200   | Rev Date: 6/9/2009 |                   |         |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 001 | Matl Cost: 1,390   | ManDays: 48       | Alt No: |
| Referenced Authority:                                         | Repair Pool: | MCC: 2          |                    |                   |         |

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| Reason: | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASLINE | (R-86151-002)PLANNING AND ESTIMATING SERVICES ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE THE FOLLOWING PRODUCTION PLANNING AND ESTIMATING, SCHEDULING, PROGRESSING MONITORING, ENGINEERING AND TECHNICAL SUPPORT SERVICES IN SUPPORT OF NAVSEA FUNDED ALTERATIONS DURING THE AVAILABILITY AS FOLLOWS: A. PROCESS WORK SPECS AND DEVELOP PACKAGE TO IDENTIFY PRODUCTION, MANPOWER & DISCIPLINE REQUIREMENTS. B. REVIEW MRL'S. RECOMMEND ALTERNATE MATERIALS AND FABRICATIONS TO RESOLVE PROCUREMENT PROBLEMS. C. MONITOR FABRICATIONS AND PROVIDE TECHNICAL GUIDANCE TO ASSURE CONFORMANCE WITH THE INTENT OF THE SPEC. D. PROVIDE ENGINEERING SUPPORT AND TECHNICAL GUIDANCE FOR THE PRODUCTION AND MATERIAL DEPARTMENTS. E. ASSIST IN ADMINISTRATION AND PERFORMANCE OF TESTING AND QUALITY CONTROL. F. SCHEDULE AND MONITOR PRODUCTION AND SUBCONTRACTOR PROGRESS FOR PROGRAMMED SCHEDULE ADHERENCE. G. DEVELOP GROWTH WORK TRANSMITTALS AND NEW WORK SPECS; PLAN, ESTIMATE AND SCHEDULE GWTH & NEW WORK. NAVSEA PORTION. |

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| Task/Abbreviation: R-86151-005- -AVLBL PROGRAM MGT (TYC) - PROV |              | MJC: EXSYR052   | Rev Date: 6/9/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 3,533   | ManDays: 152      | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 1          |                    |                   |         |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (R-86151-005)SERVICES TO PROVIDE PROGRAM MANAGEMENT DURING THE AVAILABILITY ARE REQUIRED. | PROVIDE PROGRAM MANAGEMENT FOR FUNDED REPAIRS AND ALTS DURING THE AVAIL. THIS COVERS SPECIFIED EFFORTS OF THE PROGRAM MANAGER AND PROJ COORDINATORS AND/OR PROJ ENGINEERS IN MANAGEMENT OF THE AVAIL. SPECIFIC RESPONSIBILITIES ARE AS FOLLOWS: A. ACT AS PRINCIPAL POINT OF CONTACT. B. ACT AS PRINCIPAL INTERFACE WITH THE NSA ON DAY-TO-DAY MATTERS PERTAINING TO THE EXECUTION OF THE AVAIL. C. COORDINATE AVAIL MATTERS AMONG ORGANIZATIONAL ENTITIES. D. CONDUCT PROGRESS REVIEWS. E. PREPARE COST AND SCHEDULE STATUS REPORTS REQUIRED BY THE GOVERNMENT. F. COORDINATE DEVELOPMENT OF WORK SPECIFICATION ITEMS AND NEW WORK SPECIFICATIONS. G. COORDINATE SUBMISSION OF REPORTS SPECIFIED BY THE NAVAL SUPERVISING ACTIVITY IN A TIMELY MANNER. H. ACT AS FOCAL POINT FOR OTHER GOVERNMENT AGENCIES ON DAY-TO-DAY MATTERS. TYCOM PORTION. |

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| Task/Abbreviation: R-86151-006- -MGT PERS - PROV |  |              |  | MJC: EXSYR232   |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                    |  | Scheduled: N |  | Sit Reqs:       |  | Qty: 001           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                  |  | Freq: 0      |  | Equip/Task: 001 |  | Matl Cost:         |  | ManDays: 338      |  | Alt No: |  |
| Referenced Authority:                            |  |              |  | Repair Pool:    |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                     | Recommended Solution:                                                                                                                                                                                                                     |
| BASELINE | (R-86151-006)MANAGEMENT PERSONNEL SERVICES ARE REQUIRED. | PROVIDE MANAGEMENT PERSONNEL FOR TYPE COMMANDER FUNDED REPAIRS AND ALTERATIONS AS FOLLOWS: A. PROVIDE TYPE DESK B. PRODUCTION SUPPORT C. SUPERVISORY D. PLANNING E. PROJECT MANAGEMENT F. HAZARDOUS WASTE AND OTHER POLLUTANTS MANAGEMENT |



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| Task/Abbreviation:    |            | R-86151-007- -AVLBL PROGRAM MGT (NSSC) -PROV |           | MJC:        | EXSYR234 | Rev Date:         | 6/9/2009 |          |    |         |  |
| RCM Analysis:         | Scheduled: | N                                            | Sit Reqs: | Qty:        | 001      | Removal Required: |          |          |    |         |  |
| Lvl of Maint:         | 1          | Freq:                                        | 0         | Equip/Task: | 001      | Matl Cost:        | 1,060    | ManDays: | 46 | Alt No: |  |
| Referenced Authority: |            | Repair Pool:                                 |           | MCC:        |          | 4                 |          |          |    |         |  |

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| Reason:  | Problem Description:                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (R-86151-007)SERVICES TO PROVIDE PROGRAM MANAGEMENT DURING THE AVAILABILITY ARE REQUIRED. | PROVIDE PROGRAM MANAGEMENT FOR FUNDED REPAIRS AND ALTS DURING AVAIL. THIS COVERS SPECIFIED EFFORTS OF THE PROGRAM MANAGER AND PROJECT COORDINATORS AND/OR PROJECT ENGINEERS IN MANAGEMENT OF THE AVAIL. SPECIFIC RESPONSIBILITIES ARE AS FOLLOWS: A. ACT AS PRINCIPAL POINT OF CONTACT. B. ACT AS PRINCIPAL INTERFACE WITH THE NAV SUP ACTIVITY ON DAY-TO-DAY MATTERS PERTAINING TO THE EXECUTION OF THE AVAIL. C. COORDINATE AVAIL MATTERS AMONG ORGANIZATIONAL ENTITIES. D. CONDUCT PROGRESS REVIEWS. E. PREPARE COST AND SCHEDULE STATUS REPORTS REQUIRED BY THE GOVERNMENT. F. COORDINATE DEVELOPMENT OF WORK SPECIFICATION ITEMS AND NEW WORK SPECIFICATIONS. G. COORDINATE SUBMISSION OF REPORTS SPECIFIED BY THE NAVAL SUPERVISING ACTIVITY IN A TIMELY MANNER. H. ACT AS FOCAL POINT FOR OTHER GOVERMENT AGENCIES ON DAY-TO-DAY MATTERS. NAVSEA PORTION. |

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| <b>Task/Abbreviation:</b> R-86151-008- -COORDINATOR SVCE - PROV |  |                     |  | <b>MJC:</b> EXSYR061   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 125      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 1            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                     | <b>Recommended Solution:</b>                                                                                                                                                                            |
| BASELINE       | (R-86151-008)COORDINATOR SERVICES DURING THE DOCKING AVAILABILITY ARE REQUIRED. | PROVIDE THE FOLLOWING COORDINATOR SERVICES DURING THE DOCKING AVAILABILITY AS REQUIRED: A. TANK COORDINATOR B. QUALITY ASSURANCE C. LOE COORDINATOR D. DRY DOCK COORDINATOR E. HABITABILITY COORDINATOR |

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| <b>Task/Abbreviation:</b> R-86151-009- -NSY PROJ MGT SVCE (TYC) -PROV |  |                     |  | <b>MJC:</b> EXSYR063   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 1254     |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                         | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE       | (R-86151-009)NAVAL SHIPYARD PROJECT MANAGEMENT SUPPORT IS REQUIRED. | PROVIDE THE FOLLOWING PROJECT MANAGEMENT SERVICES - MATERIAL MOVEMENT GROUP SERVICES PRODUCTION SUPPORT-MATERIAL EXPEDITOR SERVICES PLNG SUPPORT-EXPENDABLE BIN/CONSUMABLE MATL SERVICES PRODUCTION SUPPORT - INSIDE SHOP RIGGING PRODUCTION SUPPORT - PALLET/KITTING SERVICES PRODUCTION SUPERVISION - INSIDE SHOP SUPERVISION PRODUCTION SUPERVISION - CONTROL POINT SVCS/LOGS/BAIM PRODUCTION SUPERVISION - BUSINESS OFFICE SERVICES NON-PRODUCTION SUPERVISION - C/130 INSP SUPERVISION NON-PRODUCTION SUPERVISION - LEAD/WATERFRONT P/E SUPERVISION NON-PRODUCTION SUPERVISION - TROUBLE DESK SERVICES PLANNING SUPPORT - ZONE MANAGERS - TANK COORDINATOR PLANNING SUPPORT - SHIP MATERIAL MANAGER PLAN & SVCS PROJECT ENGINEERING & PLANNING MANAGER SVCS (PEMP) PROJECT MANAGER SERVICES SHIP SUPERINTENDENT SERVICES INDUSTRIAL PLANNING GROUP AND FOREMAN SERVICES. TYCOM PORTION |

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| Task/Abbreviation: R-86151-010- -NSY PROJ MGT SVCE (NSSC)-PROV |         |                 |            | MJC: EXSYR241 |          | Rev Date: 6/9/2009 |  |
| RCM Analysis:                                                  |         | Scheduled: N    | Sit Reqs:  |               | Qty: 001 | Removal Required:  |  |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 001 | Matl Cost: | ManDays: 376  | Alt No:  |                    |  |
| Referenced Authority:                                          |         | Repair Pool:    |            | MCC: 4        |          |                    |  |

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| Reason:  | Problem Description:                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (R-86151-010)NAVAL SHIPYARD PROJECT MANAGEMENT SUPPORT IS REQUIRED. | PROVIDE THE FOLLOWING PROJECT MANAGEMENT SERVICES - MATERIAL MOVEMENT GROUP SERVICES PRODUCTION SUPPORT-MATERIAL EXPEDITOR SERVICES PLNG SUPPORT-EXPENDABLE BIN/CONSUMABLE MATL SERVICES PRODUCTION SUPPORT- INSIDE SHOP RIGGING PRODUCTION SUPPORT - PALLET/KITTING SERVICES PRODUCTION SUPERVISION - INSIDE SHOP SUPERVISION PRODUCTION SUPERVISION - CONTROL POINT SVCS/LOGS/BAIM PRODUCTION SUPERVISION - BUSINESS OFFICE SERVICES NON-PRODUCTION SUPERVISION - C/130 INSP SUPERVISION NON-PRODUCTION SUPERVISION - LEAD/WATERFRONT P/E SUPERVISION NON-PRODUCTION SUPERVISION - TROUBLE DESK SERVICES PLANNING SUPPORT - ZONE MANAGERS - TANK COORDINATOR PLANING SUPPORT - SHIP MATERIAL MANAGER PLAN & SVCS PROJECT ENGINEERING & PLANNING MANAGER SVCS (PEMP) PROJECT MANAGER SERVICES SHIP SUPERINTENDENT SERVICES INDUSTRIAL PLANNING GROUP AND FOREMAN SERVICES. NAVSEA PORTION |

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| <b>Task/Abbreviation:</b> R-86151-011- -042-27 MH&MATL RSV ACCT-ACCOMP |  |                     |  | <b>MJC:</b> EXSYR332   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 22       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                    | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                              |
| BASELINE       | (R-86151-011)MANHOUR AND MATERIAL RESERVATION ACCOUNTABILITY REQUIRED DURING THE AVAILABILITY. | ACCOMPLISH THE REQUIREMENTS OF STANDARD WORK TEMPLATE (SWT) 042-001 TO PROVIDE SPECIFIC DOCUMENTATION OF CONTRACTOR ESTIMATES FOR ALL WORK ITEMS WHICH IDENTIFY A RESERVATION OF MANHOURS OR MATERIAL DOLLARS. NOTE: THIS ITEM IS ONLY APPLICABLE TO CNO AVAILABILITIES WITHIN THE NORFOLK HOMEPORT AREA. |

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**Task/Abbreviation:** R-86151-012- -SY TRADE SUPERVISION - PROV**MJC:** EXSYR336**Rev Date:** 6/9/2009**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 50**ManDays:** 4**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:**

MARMC

(R-86151-012)PRODUCTION SUPERVISION FOR  
TYCOM FUNDED REPAIRS AND ALTERATIONS  
REQUIRED DURING THE CNO AVAILABILITY**Recommended Solution:**PROVIDE PRODUCTION SUPERVISION FOR THE SHIPYARD  
PRODUCTION TRADES IN THE ACCOMPLISHMENT OF AUTHORIZED  
TYCOM FUNDED ALTERATIONS AND REPAIRS. SUPERVISION  
FUNCTIONS INCLUDE: A) MAKING DAILY EMPLOYEE WORK  
ASSIGNMENTS; B) DEVELOPING/REVIEWING CONDITION REPORTS;  
C) LIAISON WITH AND SCHEDULING OF ASSIST TRADES AND  
SUB-CONTRACTORS; D) ASSURING REFERENCES, MATERIAL, AND  
TOOLS ARE AVAILABLE WHEN NEEDED; E) ASSURING ASSIGNED  
WORK IS ACCOMPLISHED IAW APPLICABLE TECHNICAL  
REQUIREMENTS; F) REVIEWING REFERENCES, MATERIAL, AND  
SCHEDULES FOR ASSIGNED WORK AND ADVISING OF REQUIRED  
CHANGES; G) REPORTING WORK PROGRESS; H) SCHEDULING  
INSPECTIONS, TESTS, CHECKPOINTS, ETC.; I) LIAISON WITH  
DESIGN/ENGINEERING PERSONNEL ON TECHNICAL PROBLEMS.**Reason:****Problem Description:**

BASELINE

(R-86151-012)SY TRADE SUPERVISION REQUIRED  
DURING THE AVAILABILITY.**Recommended Solution:**PROVIDE PRODUCTION SUPERVISION FOR THE PRODUCTION  
TRADES IN THE ACCOMPLISHMENT OF AUTHORIZED TYCOM  
FUNDED ALTERATIONS AND REPAIRS DURING THE AVAILABILITY.

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**Task/Abbreviation:** R-86151-013- -ADMIN AND SUPPORT SERVICE-PROV**MJC:** EXSYR360**Rev Date:** 6/4/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 14,188**ManDays:** 618**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86151-013)ADMIN & SUPPORT SERVICES  
NEEDED DURING THE AVLBL.

PROVIDE ADMINISTRATION AND SUPPORT SERVICES FOR FUNDED REPAIRS AND ALTS DURING THE AVAILABILITY AS FOLLOWS: A. PROVIDE TRADE SUPERVISION SERVICES. B. PROVIDE CRANE, RIGGING, FORKLIFT AND TRANSPORTATION SERVICES TO & FROM THE SHIP, SHIPYARD WORK SITES, AND STORAGE SITE FOR CONTRACTOR & SHIP'S FORCE ITEMS. C. PROVIDE SCHEDULING, PROGRESSING, MATERIAL STATUS AND ASSOCIATED REPORTS TO TYPICALLY INCLUDE BUT NOT LIMITED TO THE FOLLOWING: (1) ACCOMPLISH REQUIREMENTS OF NAVSEA STD ITEM 009-60; (2) SCHEDULE CONTROLLING WORK ITEMS (WI) TO THE ACTIVITY LEVEL; (3) DEVELOP A SCHEDULE FOR SUBMISSION OF REPORTS & UPDATE WEEKLY; (4) SCHEDULE EACH WI THAT REQUIRES OPENING, DISASSEMBLY, AND/OR INSPECTION, AND SUBMISSION OF AS-FOUND CONDITION REPORT; (5) PARTICIPATE IN WEEKLY PROGRESS MEETINGS; (6) PROVIDE A BI-WEEKLY COST SUMMARY REPORT, COST PERFORMANCE REPORT AND A PERFORMANCE & FUNDS STATUS REPORT; (7) PROVIDE COMPLETION AND SHIP DEPARTURE REPORTS; (8) COMPLETE SIGNIFICANT EVENTS BY MILESTONES IDENTIFIED BY NAVAL SUPERVISING ACTIVITY. NOTE: USE USS BOXER (LHD 4) FY07 PMA WI 897-11-001, COAR 16-605, FOR GUIDANCE IN DEVELOPING SPEC.

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**Task/Abbreviation:** R-86151-014- -PRGM MGT AIT INTEGRATION-PROV**MJC:** EXSYR373**Rev Date:** 10/6/2011**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 1,000**ManDays:** 20**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86151-014)SHIPYARD AVAILABILITY PROGRAM  
MANAGEMENT AIT INTEGRATION REQUIRED  
DURING THE CNO AVAILABILITY.

ACCOMPLISH THE REQUIREMENTS OF STANDARD WORK TEMPLATE (SWT) 897-004 TO PROVIDE AVAILABILITY PROGRAM MANAGEMENT AIT INTEGRATION DURING THE CNO AVAILABILITY. SWT REQUIREMENTS INCLUDE: A. PROVIDE A PROGRAM MANAGER AIT INTEGRATOR RESPONSIBLE TO COORDINATE, INTEGRATE, AND DE-CONFLICT ALL MAINTENANCE AND MODERNIZATION ACTIVITY SCHEDULES WITH PRIME CONTRACTOR, I-LEVEL ACTIVITIES, ALTERATION INSTALLATION TEAMS (AIT), AND SUBCONTRACTORS WORK SCHEDULES. B. PROVIDE A SUPERINTENDENT TO ASSIST WITH COORDINATION OF AIT SUPPORT REQUIREMENTS. C. PROVIDE A SCHEDULER TO INCORPORATE SCHEDULES PROVIDED INTO A SINGLE INTEGRATED SCHEDULE. D. PROVIDE A TEST MANAGER TO DEVELOP AN INTEGRATED TOTAL SHIP TEST MANAGEMENT PLAN.



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| Task/Abbreviation: R-86151-015- -CONDITION REPORTS - SUBMIT |         |                 | MJC: EXSYR379    |             | Rev Date: 4/22/2010 |                   |
| RCM Analysis:                                               |         | Scheduled: N    | Sit Reqs:        |             | Qty: 001            | Removal Required: |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 001 | Matl Cost: 3,540 | ManDays: 47 | Alt No:             |                   |
| Referenced Authority:                                       |         | Repair Pool:    |                  | MCC: 2      |                     |                   |

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| Reason:  | Problem Description:                                                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                |
| BASELINE | (R-86151-015)SHIPYARD COST ESTIMATES<br>REQUIRED FOR PROPOSED/RECOMMENDED WORK<br>RESULTING FROM CONDITION REPORTS. | WHEN SUBMITTING A CONDITION REPORT, PROVIDE A DEFINITION<br>OF PROPOSED WORK, A COST ESTIMATE (WITH AMPLIFYING<br>INFORMATION AS APPROPRIATE) FOR ANY RECOMMENDED WORK<br>SCOPE CHANGE(S), ANY ACCELERATION/PREMIUM TIME REQUIRED,<br>AND ANY TIME IMPACT TO INTERNAL MAJOR MILESTONES AND TO<br>PRODUCTION AND/OR COMPLETION DATES. |

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| <b>Task/Abbreviation:</b> R-86161-001- -WELDING ENGINEER SVCE - PROV |                     | <b>MJC:</b> EXSYR252   | <b>Rev Date:</b> 6/9/2009 |
| <b>RCM Analysis:</b>                                                 | <b>Scheduled:</b> N | <b>Sit Reqs:</b>       | <b>Qty:</b> 001           |
| <b>Lvl of Maint:</b> 1                                               | <b>Freq:</b> 0      | <b>Equip/Task:</b> 001 | <b>Matl Cost:</b> 787     |
| <b>Referenced Authority:</b>                                         |                     | <b>Repair Pool:</b>    | <b>ManDays:</b> 15        |
|                                                                      |                     | <b>MCC:</b> 3          | <b>Alt No:</b>            |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                  | <b>Recommended Solution:</b>                                                                                                                       |
| BASELINE       | (R-86161-001)WELDING ENGINEER SERVICES ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE SERVICES OF A WELDING ENGINEER FOR QUALITY ASSURANCE COVERAGE ON WORK AUTHORIZED BY THE TYPE COMMANDER AND PROVIDE MAINTENANCE OF RECORDS. |

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| Task/Abbreviation: R-86171-001- -ANT PHOTOS - PROV |  |              |                 | MJC: EXSYR205    |             | Rev Date: 6/9/2009 |  |
| RCM Analysis:                                      |  | Scheduled: N | Sit Reqs:       |                  | Qty: 001    | Removal Required:  |  |
| Lvl of Maint: 1                                    |  | Freq: 0      | Equip/Task: 001 | Matl Cost: 1,257 | ManDays: 11 | Alt No:            |  |
| Referenced Authority:                              |  |              | Repair Pool:    |                  | MCC: 2      |                    |  |

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| Reason:  | Problem Description:                                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (R-86171-001)SERVICES TO UPDATE THE SHIP'S ANTENNA PHOTOS ARE REQUIRED DURING THE AVAILABILITY. | PHOTOGRAPH SHIP'S ANTENNA CONFIGURATION FOR THE PURPOSE OF ANTENNA IDENTIFICATION. PROVIDE PHOTOGRAPHS TO THE SUPERVISOR FOR SELECTION OF APPROVED PRINTS. PROVIDE ORIGINAL AND COPIES OF NEGATIVES, PHOTOGRAPHS AND MARKED-UP PHOTOGRAPHS TO THE SUPERVISOR FOR DISTRIBUTION AS REQUIRED. ALL ANTENNA PHOTOGRAPHS SHALL INCLUDE A LEGEND PLACED IN CLEAR SPACE ON THE REVERSE SIDE OF THE PRINT IDENTIFYING EACH ANTENNA, THE ASSOCIATED EQUIPMENT AND THE LOCATION WITHIN THE SHIP. NOTE 1: INVOKE THIS TASK IF CHANGES TO THE TOPSIDE SUPERSTRUCTURE HAVE BEEN MADE, NEW ANTENNAS HAVE BEEN INSTALLED OR EXISTING ANTENNAS HAVE BEEN RELOCATED OR REMOVED. NOTE 2: USE SWT 837-02 FOR GUIDANCE IN DEVELOPING SPEC. |

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**Task/Abbreviation:** R-86231-001- -ADV PLNG SVCE (TYC) - PROV**MJC:** EXSYR006**Rev Date:** 6/10/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 49,841**ManDays:** 68**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86231-001)ADVANCE PLANNING SERVICES ARE REQUIRED TO SUPPORT THE AVAILABILITY.

PROVIDE THE FOLLOWING ADVANCE PLANNING SERVICES AS AUTHORIZED IN SUPPORT OF TYCOM FUNDED REPAIRS/ALTS: A. PREPARE ADVANCE PLANNING COST ESTIMATES. B. PREPARE WORK SCOPING SHIPCHECKS. C. IDENTIFY AND ORDER TYCOM REPAIR AND SHIPALT ITEM LONG LEAD TIME MATERIAL (LLTM). D. DEVELOP REPAIR AND SHIPALT WORK SPECIFICATIONS. E. PREPARE COST AND SCHEDULE REPORTS. F. DEVELOP MATERIAL REQUIREMENT LISTS (MRL'S). G. DEVELOP DRAWINGS/SKETCHES IN SUPPORT OF REPS/ALTS. H. PREPARE PRELIMINARY WEIGHT AND MOMENT REPORT. I. PREPARE BASIC REPAIR AND PRELIMINARY SHIPALT COST ESTIMATES ALONG WITH FINAL REVIEW ESTIMATES. J. PREPARE TECH DESIGN REVIEW INCLUDING VALIDATION SHIPCHECK OF SHIP INSTALLATION DRAWINGS (SIDS). K. INITIATE/FOLLOW-UP DESIGN DISCREPANCY CORRECTION UTILIZING THE LIAISON ACTION RECORD SYSTEM (LAR). TYCOM PORTION.

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| Task/Abbreviation: R-86231-002- -ADV PLNG SVCE (NSSC) - PROV |         |                 | MJC: EXSYR008     |             | Rev Date: 6/10/2009 |                   |
| RCM Analysis:                                                |         | Scheduled: N    | Sit Reqs:         |             | Qty: 001            | Removal Required: |
| Lvl of Maint: 1                                              | Freq: 0 | Equip/Task: 001 | Matl Cost: 14,952 | ManDays: 21 | Alt No:             |                   |
| Referenced Authority:                                        |         | Repair Pool:    |                   | MCC: 3      |                     |                   |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (R-86231-002)ADVANCE PLANNING SERVICES ARE REQUIRED TO SUPPORT THE AVAILABILITY. | PROVIDE THE FOLLOWING ADVANCE PLANNING SERVICES IN SUPPORT OF AUTHORIZED TITLE "K" (NAVSEA FUNDED) ALTS: A. PREPARE ADVANCE PLANNING COST ESTIMATES. B. CONDUCT TECH DESIGN REVIEW INCLUDING VALIDATION SHIPCHECK OF GOVERNMENT FURNISHED SID'S. C. IDENTIFY "K"-ALT LONG LEAD TIME MATERIAL (LLTM). D. DEVELOP "K"-ALT WORK SPECIFICATIONS. E. INITIATE/FOLLOW UP DESIGN DISCREPANCY CORRECTION UTILIZING THE LIAISON ACTION RECORD SYSTEM (LAR). F. DEVELOP ENGINEERING DRAWINGS/SKETCHES FOR ALTS. G. PREPARE PRELIMINARY SHIPALT AND FINAL REVIEW COST ESTIMATES. H. PREPARE PRELIMINARY WEIGHT AND MOMENT REPORT. I. PERFORM COST AND OTHER ADMINISTRATIVE AND SCHEDULE REPORTING. NAVSEA PORTION. |

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| <b>Task/Abbreviation:</b> R-86231-003- -SCHED & RPRT SVCE (TYC) -PROV |  |                     |                        | <b>MJC:</b> EXSYR143    |                     | <b>Rev Date:</b> 6/9/2009 |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N | <b>Sit Reqs:</b>       |                         | <b>Qty:</b> 001     | <b>Removal Required:</b>  |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      | <b>Equip/Task:</b> 001 | <b>Matl Cost:</b> 9,323 | <b>ManDays:</b> 155 | <b>Alt No:</b>            |  |
| <b>Referenced Authority:</b>                                          |  |                     | <b>Repair Pool:</b>    |                         | <b>MCC:</b> 1       |                           |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                             | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE       | (R-86231-003)PLANNING AND ESTIMATING SERVICES ARE REQUIRED TO SUPPORT THE AVAILABILITY. | PROVIDE THE FOLLOWING SCHEDULING AND ASSOCIATED REPORTS AND SERVICES IAW REQUIREMENTS OF NAVSEA STANDARD ITEM 009-60: A. PREPARE A PRODUCTION SCHEDULE FOR EACH WORK ITEM. UPDATE WEEKLY. B. PREPARE A TIME-ORIENTED WORK PACKAGE NETWORK. UPDATE WEEKLY. C. PREPARE A MILESTONE AND KEY EVENT LISTING. D. DEVELOP MANPOWER LOADING CURVES FOR TOTAL PRODUCTIVE EFFORT AND INDUSTRIAL TRADES. UPDATE AS REQUIRED. E. PREPARE A WEEKLY MANPOWER UTILIZATION REPORT. F. PREPARE A SUBCONTRACTOR LIST BY WORK ITEM. MANAGE AND SCHEDULE SUBCONTRACTOR'S PERFORMANCE. G. PREPARE A TEST PLAN BY WORK ITEM AND UPDATE WEEKLY. H. PROVIDE REP TO COORDINATE SF WORK WITH SY WORK. I. PARTICIPATE IN 25%, 50% AND 75% PROGRESS REVIEW CONFERENCES. PROVIDE REPORTS AS REQUIRED. J. PARTICIPATE IN WEEKLY PROGRESS REVIEW MEETING WITH NAVAL SUPERVISING ACTIVITY AND SHIP'S FORCE. PROVIDE REPORTS AS REQUIRED. K. PROVIDE SAMS MILESTONES, IF REQUIRED. NOTE: FOR PRIVATE SECTOR AVAILABILITIES, THIS TASK IS ONLY APPLICABLE WHEN NAVSEA CAT 1 SI 009-60 IS NOT INVOKED AS PART OF THE SOLICITATION. (TYCOM PORTION) |

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**Task/Abbreviation:** R-86231-004- -SCHED & RPRT SVCE (NSSC)-PROV**MJC:** EXSYR295**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 3,996**ManDays:** 67**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 4**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86231-004)PLANNING AND ESTIMATING SERVICES ARE REQUIRED TO SUPPORT THE AVAILABILITY.

PROVIDE THE FOLLOWING SCHEDULING AND ASSOCIATED REPORTS AND SERVICES IAW REQUIREMENTS OF NAVSEA STANDARD ITEM 009-60: A. PREPARE A PRODUCTION SCHEDULE FOR EACH WORK ITEM. UPDATE WEEKLY. B. PREPARE A TIME-ORIENTED WORK PACKAGE NETWORK. UPDATE WEEKLY. C. PREPARE A MILESTONE AND KEY EVENT LISTING. D. DEVELOP MANPOWER LOADING CURVES FOR TOTAL PRODUCTIVE EFFORT AND INDUSTRIAL TRADES. UPDATE AS REQUIRED. E. PREPARE A WEEKLY MANPOWER UTILIZATION REPORT. F. PREPARE A SUBCONTRACTOR LIST BY WORK ITEM. MANAGE AND SCHEDULE SUBCONTRACTOR'S PERFORMANCE. G. PREPARE A TEST PLAN BY WORK ITEM AND UPDATE WEEKLY. H. PROVIDE REP TO COORDINATE SF WORK WITH SY WORK. I. PARTICIPATE IN 25%, 50% AND 75% PROGRESS REVIEW CONFERENCES. PROVIDE REPORTS AS REQUIRED. J. PARTICIPATE IN WEEKLY PROGRESS REVIEW MEETING WITH NAVAL SUPERVISING ACTIVITY AND SHIP'S FORCE. PROVIDE REPORTS AS REQUIRED. K. PROVIDE SAMS MILESTONES, IF REQUIRED. NOTE: FOR PRIVATE SECTOR AVAILABILITIES, THIS TASK IS ONLY APPLICABLE WHEN NAVSEA CAT 1 SI 009-60 IS NOT INVOKED AS PART OF THE SOLICITATION. (NAVSEA PORTION)

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**Task/Abbreviation:** R-86231-015- -PLNG PROGRAM MGT (TYC) - PROV**MJC:** EXSYR230**Rev Date:** 6/10/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 2,161**ManDays:** 221**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86231-015)SERVICES TO PROVIDE PROGRAM MANAGEMENT DURING THE PLANNING PHASE OF THE AVAILABILITY ARE REQUIRED.

PROVIDE PROGRAM MANAGEMENT DURING THE PLANNING PHASE IN ACCORDANCE WITH GUIDANCE OF APPLICABLE CDRL'S. THIS SWLIN COVERS SPECIFIED EFFORTS OF THE PROGRAM MANAGER AND PROJ COORDINATORS/PROJ ENGINEERS IN THE MANAGEMENT OF THE PROGRAM. SPECIFIC RESPONSIBILITIES ARE AS FOLLOWS: A. ACT AS PRINCIPAL POINT OF CONTACT. B. ACT AS PRINCIPAL INTERFACE WITH RMC PROJ MGR., PORT ENGINEER AND RMC CODE 930 ON DAY-TO-DAY MATTERS PERTAINING TO THE PLANNING OF THE AVAILABILITY. C. COORDINATE PMP MATTERS AMONG THE CONTRACTOR'S ORGANIZATIONAL ENTITIES. D. CONDUCT PROGRESS REVIEWS. E. PREPARE COST & SCHED STATUS RPRTS REQD BY GOVERNMENT. F. COORDINATE DEVELOPMENT OF AVAILABILITY WORK SPECIFICATION ITEMS TO ENSURE TIMELY PLANNING. G. COORDINATE SUBMISSION OF CDRL ITEMS & OTHER SUCH PROJ RPRTS SPECIFIED BY GOVT IN A TIMELY MANNER. H. ACT AS FOCAL POINT FOR OTHER GOVERNMENT AGENCIES ON DAY-TO-DAY MATTERS. TYCOM PORTION.



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|-----------------------------------------------------------------|--------------|-----------------|----------------|-------------------|---------------------|
| Task/Abbreviation: R-86231-016- -PLNG PROGRAM MGT (NSSC) - PROV |              |                 | MJC: EXSYR053  |                   | Rev Date: 6/10/2009 |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001       | Removal Required: |                     |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 648 | ManDays: 66       | Alt No:             |
| Referenced Authority:                                           |              | Repair Pool:    | MCC: 3         |                   |                     |

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| Reason:  | Problem Description:                                                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BASELINE | (R-86231-016)SERVICES TO PROVIDE PROGRAM MANAGEMENT DURING THE PLANNING PHASE OF THE AVAILABILITY ARE REQUIRED. | PROVIDE PROGRAM MANAGEMENT DURING THE PLANNING PHASE IN ACCORDANCE WITH GUIDANCE OF APPLICABLE CDRL'S. THIS SWLIN COVERS SPECIFIED EFFORTS OF THE PROGRAM MANAGER AND PROJ COORDINATORS/PROJ ENGINEERS IN THE MANAGEMENT OF THE PROGRAM. SPECIFIC RESPONSIBILITIES ARE AS FOLLOWS: A. ACT AS PRINCIPAL POINT OF CONTACT. B. ACT AS PRINCIPAL INTERFACE WITH RMC PROJ MGR., PORT ENGINEER AND RMC CODE 930 ON DAY-TO-DAY MATTERS PERTAINING TO THE PLANNING OF THE AVAILABILITY. C. COORDINATE PMP MATTERS AMONG THE CONTRACTOR'S ORGANIZATIONAL ENTITIES. D. CONDUCT PROGRESS REVIEWS. E. PREPARE COST & SCHED STATUS RPTS REQD BY GOVERNMENT. F. COORDINATE DEVELOPMENT OF AVAILABILITY WORK SPECIFICATION ITEMS TO ENSURE TIMELY PLANNING. G. COORDINATE SUBMISSION OF CDRL ITEMS & OTHER SUCH PROJ RPTS SPECIFIED BY GOVMT IN A TIMELY MANNER. H. ACT AS FOCAL POINT FOR OTHER GOVERNMENT AGENCIES ON DAY-TO-DAY MATTERS. NAVSEA PORTION. |

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| Task/Abbreviation: R-86231-017- -LONG LEAD TIME MATL - PROCURE |         |                 | MJC: EXSYR376     |             | Rev Date: 12/11/2009 |                   |
| RCM Analysis:                                                  |         | Scheduled: N    | Sit Reqs:         |             | Qty: 001             | Removal Required: |
| Lvl of Maint: 1                                                | Freq: 0 | Equip/Task: 001 | Matl Cost: 41,000 | ManDays: 20 | Alt No:              |                   |
| Referenced Authority:                                          |         | Repair Pool:    |                   | MCC: 2      |                      |                   |

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| Reason:  | Problem Description:                                                   | Recommended Solution:                                                                                                                                                                  |
| BASELINE | (R-86231-017)LLTM PROCUREMENT IS REQUIRED TO SUPPORT THE AVAILABILITY. | IDENTIFY AND PROCURE TYCOM REPAIR ITEM LONG LEAD TIME MATERIAL (LLTM) FOR THE AVAILABILITY. NOTE: THIS TASK IS NOT REQUIRED IF LLTM PROCUREMENT IS ACCOMPLISHED BY ICMP TASK R-86231-1 |

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|-------------------------------------------------------|---------|-----------------|--------------------|--------------|--------------------|-------------------|
| Task/Abbreviation: R-86331-001- -TEMP BERTHING - PROV |         |                 | MJC: EXSYR090      |              | Rev Date: 6/9/2009 |                   |
| RCM Analysis:                                         |         | Scheduled: N    | Sit Reqs:          |              | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                       | Freq: 0 | Equip/Task: 001 | Matl Cost: 315,014 | ManDays: 706 | Alt No:            |                   |
| Referenced Authority:                                 |         | Repair Pool:    |                    | MCC: 1       |                    |                   |

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| Reason:  | Problem Description:                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (R-86331-001)TEMPORARY OFF-SHIP BERTHING FACILITIES FOR SHIP'S FORCE PERSONNEL ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE TEMPORARY OFF-SHIP BERTHING FACILITIES IAW SMWG STANDARD WORK TEMPLATE (SWT) 857-007 FOR THE COMMANDING OFFICER, EXECUTIVE OFFICER, ( ) OFFICERS, ( ) CHIEF PETTY OFFICERS, ( ) ENLISTED PERSONNEL (E5 AND E6) AND ( ) ENLISTED PERSONNEL (E1 THROUGH E4) COMMENCING ( ) AND LASTING ( ) ON A SEVEN DAY PER WEEK BASIS. 1. THE NUMBER OF FEMALE PERSONNEL IN EACH CATEGORY IS TO BE IDENTIFIED SEPARATELY FROM THE NUMBER OF MALE PERSONNEL IN EACH CATEGORY, AS APPLICABLE. 2. THE SHIP'S COMMANDING OFFICER SHALL NEGOTIATE WITH THE NAVAL SUPERVISING ACTIVITY, A FORMAL WRITTEN PRE-AVAILABILITY AGREEMENT WHICH SHALL DEFINE AND ESTABLISH THE CRITERIA PREREQUISITE FOR CREW MOVE ON BOARD AND TURNOVER OF HABITABILITY SPACES. SUBMIT A COPY OF THE AGREEMENT TO THE TYPE COMMANDER. |

|                       |  |                                              |  |                 |  |                    |  |                   |  |         |  |
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| Task/Abbreviation:    |  | R-86331-002- -GALLEY AND MESSING FACIL -PROV |  | MJC: EXSYR267   |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:         |  | Scheduled: N                                 |  | Sit Reqs:       |  | Qty: 001           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1       |  | Freq: 0                                      |  | Equip/Task: 001 |  | Matl Cost: 117,545 |  | ManDays: 350      |  | Alt No: |  |
| Referenced Authority: |  |                                              |  | Repair Pool:    |  |                    |  | MCC: 1            |  |         |  |

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| Reason:  | Problem Description:                                                                                                           | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (R-86331-002)TEMPORARY OFF-SHIP GALLEY AND MESSING FACILITIES FOR SHIP'S FORCE PERSONNEL ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE TEMPORARY OFF-SHIP GALLEY AND MESSING FACILITIES IN ACCORDANCE WITH SMWG STANDARD WORK TEMPLATE (SWT) 857-001 FOR ( ) OFFICERS, ( ) CHIEF PETTY OFFICERS AND ( ) ENLISTED PERSONNEL FOR A PERIOD OF ( ) DAYS. THE SHIP'S COMMANDING OFFICER SHALL NEGOTIATE WITH THE NAVAL SUPERVISING ACTIVITY A FORMAL WRITTEN PRE-AVAIL AGREEMENT WHICH SHALL DEFINE AND ESTABLISH THE CRITERIA PREREQUISITE FOR CREW MOVE ON BOARD AND TURNOVER OF HABITABILITY SPACES. SUBMIT A COPY OF THE AGREEMENT TO THE TYPE COMMANDER. |

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| Task/Abbreviation: R-86331-003- -DUTY SECT BERTHING - PROV |         |                 | MJC: EXSYR092     |              | Rev Date: 6/9/2009 |                   |
| RCM Analysis:                                              |         | Scheduled: N    | Sit Reqs:         |              | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                            | Freq: 0 | Equip/Task: 001 | Matl Cost: 22,188 | ManDays: 205 | Alt No:            |                   |
| Referenced Authority:                                      |         | Repair Pool:    | MCC: 2            |              |                    |                   |

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| Reason:  | Problem Description:                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (R-86331-003)TEMPORARY DUTY SECTION OFF-SHIP BERTHING FACILITIES ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE TEMPORARY DUTY SECTION OFF-SHIP BERTHING IN ACCORDANCE WITH SMWG STANDARD WORK TEMPLATE (SWT) 857-005 FOR ( ) PERSONNEL, COMMENCING ( ) AND LASTING ( ) ON A SEVEN DAY PER WEEK BASIS. 1. SHIP SHALL PROVIDE PROJECTED DUTY SECTION MANNING AT THE WPIC OR AT APPROXIMATELY A-6 MONTHS. 2. NUMBER OF FEMALE DUTY SECTION PERSONNEL IS TO BE IDENTIFIED SEPARATELY FROM MALE DUTY SECTION PERSONNEL. |

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**Task/Abbreviation:** R-86331-004- -BERTHING BARGE SVCE - PROV**MJC:** EXSYR269**Rev Date:** 11/24/2010**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 77,516**ManDays:** 221**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:**

BASELINE

**Problem Description:**

(R-86331-004)BERTHING BARGE TOWING AND SUPPORT SERVICES ARE REQUIRED DURING THE AVAILABILITY.

**Recommended Solution:**

PROVIDE THE FOLLOWING SERVICES FOR BERTHING BARGE: A. PREPARE AND TOW BARGE TO, FROM AND WITHIN THE CONTRACTOR'S FACILITY. B. PROVIDE TEMPORARY SERVICES. C. ACCOMPLISH REPAIRS TO THE BARGE. NOTE: THE SHIP'S COMMANDING OFFICER SHALL NEGOTIATE WITH THE NAVAL SUPERVISING ACTIVITY A FORMAL WRITTEN PRE-AVAIL AGREEMENT WHICH SHALL DEFINE AND ESTABLISH THE CRITERIA PREREQUISITE FOR CREW MOVE ONBOARD AND TURNOVER OF HABITABILITY SPACES. SUBMIT A COPY OF THE AGREEMENT TO THE TYPE COMMANDER. NOTE 1: USE SWT 992-01 AND SWT 992-13 FOR GUIDANCE IN DEVELOPING SPEC FOR AVAILABILITIES ACCOMPLISHED AT THE CONTRACTOR'S FACILITY. NOTE 2: USE SWT 992-01 AND SWT 992-32 FOR GUIDANCE IN DEVELOPING SPEC FOR AVAILABILITIES ACCOMPLISHED AT A GOVERNMENT FACILITY. NOTE 3: USE SWT 857-50 FOR GUIDANCE IN DEVELOPING SPEC FOR AVAILABILITIES ACCOMPLISHED AT A CONTRACTOR'S FACILITY IN SAN DIEGO, CA.

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| Task/Abbreviation: R-86331-010- -OFFICES AND PARKING - PROV |         |                 | MJC: EXSYR258     |             | Rev Date: 6/9/2009 |                   |
| RCM Analysis:                                               |         | Scheduled: N    | Sit Reqs:         |             | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 001 | Matl Cost: 17,440 | ManDays: 87 | Alt No:            |                   |
| Referenced Authority:                                       |         | Repair Pool:    | MCC: 2            |             |                    |                   |

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| Reason:  | Problem Description:                                                                                      | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (R-86331-010)OFFICE AND TRAINING FACILITIES FOR USE BY SHIP'S FORCE ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE SECURE OFFICE, TRAINING AND PARKING FACILITIES ASHORE FOR USE BY SHIP'S FORCE DURING THE ENTIRE AVAILABILITY TO INCLUDE HEAT, LIGHT, POWER, AIR CONDITIONING AND SANITARY FACILITIES: A. ONE - ( ) SQUARE FEET FOR OFFICE SPACE. B. ( ) SQUARE FEET FOR CLASSROOM AND ( ) CHAIRS WITH WRITING ARMS, BLACKBOARD, TABLE AND LECTERN. C. ( ) PARKING SPACES (MINIMUM) NEAR THE OFFICE FACILITIES. D. ( ) SQUARE FEET FOR TEMPORARY RELOCATION OF ADP SYSTEM TO INCLUDE INTER CONNECTING CABLES. |

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|------------------------------------------------|---------|-----------------|------------------|---------------|----------|--------------------|--|
| Task/Abbreviation: R-86331-011- -SHIP - DEFUEL |         |                 |                  | MJC: EXSYR259 |          | Rev Date: 6/9/2009 |  |
| RCM Analysis:                                  |         | Scheduled: N    | Sit Reqs:        |               | Qty: 001 | Removal Required:  |  |
| Lvl of Maint: 1                                | Freq: 0 | Equip/Task: 001 | Matl Cost: 3,136 | ManDays: 72   | Alt No:  |                    |  |
| Referenced Authority:                          |         | Repair Pool:    |                  | MCC: 3        |          |                    |  |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                |
| BASELINE | (R-86331-011)OFF-LOAD AND TESTING OF PETROLEUM FUELS AND LUBRICANTS IS REQUIRED. | DEFUEL SHIP - OFF-LOAD PETROLEUM FUELS AND LUBRICANTS FROM THE SHIP'S TANKS IN THE FOLLOWING APPROXIMATE AMOUNTS. SAMPLE AND ANALYZE PRIOR TO OFF-LOAD. DISTILLATE FUEL (MARINE) - ( ) GAL. JP-5 - ( ) GAL. LUBRICATING OIL - ( ) GAL. CONTAMINATED SEAWATER - ( ) GAL. NOTE: USE APPLICABLE PORTIONS OF SWT 992-31 FOR GUIDANCE IN DEVELOPING SPEC. |



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**Task/Abbreviation:** R-86331-012- -SF PARKING AREA - PROV**MJC:** EXSYR264**Rev Date:** 10/6/2011**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 18,851**ManDays:** 208**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:**

BASELINE

**Problem Description:**

(R-86331-012)PARKING FOR SHIP'S FORCE PERSONNEL IS REQUIRED DURING THE AVAILABILITY.

**Recommended Solution:**

PROVIDE AND MAINTAIN PARKING AREA FOR SF PERSONNEL IN CLOSE PROXIMITY TO SHIP FOR ENTIRE CONTRACT PERIOD IN ACCORDANCE WITH THE FOLLOWING: A. PARKING AREA SHALL BE LEVEL, WELL LIGHTED, SPACED AND PARTITIONED TO ACCOMMODATE ( ) AUTOMOBILES. B. PARKING AREA SHALL BE A PAVED OR GRAVEL SURFACE AND ENCLOSED BY SIX FOOT HIGH CHAIN-LINK FENCE WITH A MINIMUM OF TWO LOCKABLE ACCESSSES FOR VEHICLES. C. PROVIDE SHUTTLE BUS SERVICE BETWEEN SHIP AND THE PARKING AREA (7 DAYS/WEEK BETWEEN HOURS OF 0600 AND 0200 IF DISTANCE IS GREATER THAN 1/4 MILE). BUS SERVICE SHALL BE CAPABLE OF TRANSPORTING ( ) PERSONS (EACH WAY) EVERY HALF HOUR. D. PROVIDE ADDITIONAL PARKING ADJACENT TO SHIP. AREA SHALL BE WELL LIGHTED AND SPACED TO ACCOMMODATE ( ) AUTOMOBILES. E. PROVIDE 24 HOUR A DAY, 7 DAY A WEEK SECURITY GUARD(S), AS AUTHORIZED. F. PROVIDE WATCH HUT, EQUIPPED WITH HEAT, TELEPHONE & LIGHTS, ADJACENT TO PRIMARY PARKING AREA ACCESS. NOTE: USE SWT 992-12 FOR GUIDANCE IN DEVELOPING SPEC.

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|-----------------------------------------------------------|---------|-----------------|------------------|-------------|--------------------|-------------------|
| Task/Abbreviation: R-86331-014- -SM BOAT WORK AREA - PROV |         |                 | MJC: EXSYR275    |             | Rev Date: 6/9/2009 |                   |
| RCM Analysis:                                             |         | Scheduled: N    | Sit Reqs:        |             | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 001 | Matl Cost: 3,988 | ManDays: 26 | Alt No:            |                   |
| Referenced Authority:                                     |         | Repair Pool:    | MCC: 2           |             |                    |                   |

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| Reason:  | Problem Description:                                                                                     | Recommended Solution:                                                                                                                                                           |
| BASELINE | (R-86331-014)A COVERED SMALL BOAT WORK AREA FOR USE BY SHIP'S FORCE DURING THE AVAILABILITY IS REQUIRED. | PROVIDE A COVERED SMALL BOAT WORK AREA WITH CRADLES SUFFICIENT FOR ____ BOATS FOR SHIP'S FORCE USE WITH A MINIMUM OF ____ SQUARE FEET WITH 100 PSI AIR AND 115 VOLTS AC SERVICE |

|                                                           |         |                 |                  |             |                    |                   |
|-----------------------------------------------------------|---------|-----------------|------------------|-------------|--------------------|-------------------|
| Task/Abbreviation: R-86331-015- -SM BOAT STOR AREA - PROV |         |                 | MJC: EXSYR301    |             | Rev Date: 6/9/2009 |                   |
| RCM Analysis:                                             |         | Scheduled: N    | Sit Reqs:        |             | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                           | Freq: 0 | Equip/Task: 001 | Matl Cost: 1,333 | ManDays: 17 | Alt No:            |                   |
| Referenced Authority:                                     |         | Repair Pool:    | MCC: 2           |             |                    |                   |

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|----------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                       |
| BASELINE | (R-86331-015)THE SHIP'S SMALL BOATS MUST BE STORED PIERSIDE DURING THE AVAILABILITY. | PROVIDE SMALL BOAT CRADLES AND PROTECTIVE COVERING ON THE PIER FOR _____ BOATS. REMOVE BOATS FROM THE SHIP, PLACE ON CRADLES AND REINSTALL ON THE SHIP AS DIRECTED BY THE SUPERVISOR. NOTE: USE SWT 992-21 FOR GUIDANCE IN DEVELOPING SPEC. |

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|-----------------------------------------------------------------|--------------|-----------------|---------------------|-------------------|---------|
| Task/Abbreviation: R-86331-019- -SF HAZ MATL/FLMB LIQ STOR-PROV |              | MJC: EXSYR312   | Rev Date: 4/23/2010 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001            | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 25,074   | ManDays: 40       | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 1          |                     |                   |         |

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| Reason: | Problem Description:                                                                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASLINE | (R-86331-019)HAZARDOUS MATERIAL STORAGE AND FLAMMABLE LIQUIDS STORAGE FOR USE BY SHIP'S FORCE ARE NEEDED DURING THE AVAILABILITY. | TEMPORARY STORAGE SPACES - ACCOMPLISH THE FOLLOWING: A. PROVIDE THE FOLLOWING WEATHERPROOF, LOCKED, TEMPORARY STORAGE SPACES ASHORE, FURNISHED WITH LIGHTS, 120 VAC (24 HOUR SERVICE), VENTILATION, SHELVING AND TWO (2) EACH 15 LB. CO2 FIRE EXTINGUISHERS AT EACH LOCATION FOR SHIP'S FORCE USE DURING THE ENTIRE CONTRACT PERIOD: 1. HAZARDOUS MATERIAL STORAGE - MINIMUM OF 320 SQ. FT. OF FLOOR SPACE. 2. FLAMMABLE LIQUIDS STORAGE (PAINT, FLAMMABLE AND CORROSIVE LIQUIDS) - MINIMUM OF 320 SQ. FT. OF FLOOR SPACE. B. PROVIDE A PORTABLE EYE WASH STATION LOCATED ADJACENT TO THESE TWO STORAGE SPACES. IF THE TWO STORAGE SPACES ARE NOT LOCATED TOGETHER, PROVIDE A PORTABLE EYE WASH STATION FOR EACH STORAGE SPACE. NOTES: 1. EACH STORAGE SPACE SHALL BE LOCATED WITHIN CLOSE PROXIMITY TO THE SHIP AS APPROVED BY LOCAL CODES AND REGULATIONS. 2. SEPARATE EACH STORAGE SPACE FROM OTHER STRUCTURES BY A MINIMUM OF 25 FEET. 3. USE SWT 993-01 FOR GUIDANCE IN DEVELOPING SPEC. |

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|------------------------------------------------------------|---------|-----------------|------------------|-------------|--------------------|-------------------|
| Task/Abbreviation: R-86331-020- -SF WAREHOUSE SPACE - PROV |         |                 | MJC: EXSYR166    |             | Rev Date: 6/9/2009 |                   |
| RCM Analysis:                                              |         | Scheduled: N    | Sit Reqs:        |             | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                            | Freq: 0 | Equip/Task: 001 | Matl Cost: 8,358 | ManDays: 14 | Alt No:            |                   |
| Referenced Authority:                                      |         | Repair Pool:    | MCC: 2           |             |                    |                   |

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| Reason:  | Problem Description:                                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (R-86331-020)WAREHOUSE SPACE FOR USE BY SHIP'S FORCE IS NEEDED DURING THE AVAILABILITY. | PROVIDE A SECURE, WEATHERPROOF, LOCKED, TEMPORARY WAREHOUSE SPACE ASHORE, FURNISHED WITH LIGHTS, 120 VAC (24 HOUR SERVICE), SHELVING, HEAT AND TWO (2) EACH 15 LB. CO2 FIRE EXTINGUISHERS FOR SHIP'S FORCE USE DURING THE ENTIRE AVAILABILITY. PROVIDE A MINIMUM OF (___) SQ. FT. OF FLOOR SPACE. NOTE: USE APPLICABLE PORTIONS OF SWT 993-03 FOR GUIDANCE IN DEVELOPING SPEC. |

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|-----------------------------------------------------------------|--------------|-----------------|--------------------|-------------------|---------|
| Task/Abbreviation: R-86331-021- -NAVY CASH PERS BARGE SVCE-PROV |              | MJC: EXSYR355   | Rev Date: 6/9/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 750     | ManDays: 16       | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3          |                    |                   |         |

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|----------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (R-86331-021)NAVY CASH MUST BE MOVED TO THE BERTHING BARGE DURING THE AVAILABILITY. | L3 COMMUNICATIONS WILL CONTACT THE SHIP NO LATER THAN 45 DAYS PRIOR TO THE START OF THE AVAILABILITY TO ARRANGE FOR THE MOVEMENT OF NAVY CASH TO THE ASSIGNED BERTHING BARGE FOR THE SHIP'S AVAILABILITY. NAVSUP WILL PROVIDE THIS SERVICE FOR CONUS CNO AVAILABILITIES PER NAVY CASH FLASH 09-013. NOTE 1: THE POINT OF CONTACTS FOR SERVICES ARE: STEVE WIDDEN, 757-366-4422, EXT. 4507, STEVE.WIDDEN@L-3COM.COM OR BOB HUMSTON, 858-552-9964, BOB.HUMSTON@L-3COM.COM. |

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**Task/Abbreviation:** R-86331-022- -BERTHING BARGE TOW SVCE - PROV**MJC:** EXSYR368**Rev Date:** 11/24/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 5,000**ManDays:** 60**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

MARMC

(R-86331-022)BERTHING BARGE TOWING REQUIRED DURING THE AVAILABILITY.

ACCOMPLISH THE REQUIREMENTS OF MARMC LOCAL WORK TEMPLATE (LWT) 992-004 TO PROVIDE SERVICES AND TOW A CREW LIVING BARGE FROM A LOCATION TO BE DESIGNATED BY THE SUPERVISOR AND TO RETURN THE BARGE TO A LOCATION TO BE DESIGNATED BY THE SUPERVISOR UPON COMPLETION OF THE AVAILABILITY. PROVIDE AND MAINTAIN LIGHTS, PUMPS, FLOODING ALARMS, AND A 2-WAY RADIO FOR USE DURING THE TOWS. PRIOR TO TOWING THE BARGE, DEWATER ALL BILGES AND MAKE THE BARGE READY FOR A LOCAL TOW BY SECURING ALL FURNITURE, EQUIPMENT, HATCHES, DOORS, AND OPENINGS; LOCK ALL SEA VALVES CLOSED. ACCOMPLISH A PRE-TOW INSPECTION AND PROVIDE A REPORT TO THE NSA. FOR OPEN OCEAN TOWS, UTILIZE STANDARD WORK TEMPLATE (SWT) 992-025.

**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86331-022)BERTHING BARGE TOWING REQUIRED DURING THE AVAILABILITY.

PREPARE AND TOW BERTHING BARGE TO, FROM AND WITHIN THE CONTRACTOR'S FACILITY.

Task/Abbreviation: R-86331-023- -BERTHING BARGE SVCE &amp; RPR-PROV

MJC: EXSYR369

Rev Date: 11/24/2010

RCM Analysis: Scheduled: N Sit Reqs:

Qty: 001

Removal Required:

Lvl of Maint: 1 Freq: 0 Equip/Task: 001 Matl Cost: 72,516 ManDays: 161 Alt No:

Referenced Authority: Repair Pool:

MCC: 3

## Reason:

## Problem Description:

BASELINE

(R-86331-023)BERTHING BARGE SUPPORT SERVICES ARE REQUIRED DURING THE AVAILABILITY.

## Recommended Solution:

PROVIDE TEMPORARY SERVICES, EQUIPMENT/SYSTEMS TESTS AND INSPECTIONS, AND REQUIRED REPAIRS TO THE BERTHING BARGE WHILE IN THE CONTRACTOR'S FACILITY. NOTE: THE SHIP'S COMMANDING OFFICER SHALL NEGOTIATE WITH THE NAVAL SUPERVISING ACTIVITY A FORMAL WRITTEN PRE-AVAILABILITY AGREEMENT WHICH SHALL DEFINE AND ESTABLISH THE CRITERIA PREREQUISITE FOR CREW MOVE ONBOARD AND TURNOVER OF HABITABILITY SPACES. SUBMIT A COPY OF THE AGREEMENT TO THE TYPE COMMANDER.

## Reason:

## Problem Description:

MARMC

(R-86331-023)TEMPORARY SERVICES AND EQUIPMENT REPAIRS FOR CREW LIVING BARGE REQUIRED.

## Recommended Solution:

ACCOMPLISH THE REQUIREMENTS OF SWT 992-13 TO PROVIDE TEMPORARY SERVICES, EQUIPMENT/SYSTEMS TESTS AND INSPECTIONS, AND REQUIRED REPAIRS TO A CREW LIVING BARGE IN THE CONTRACTOR'S PLANT. TEMPORARY SERVICES SHALL BE PROVIDED STARTING TWO WEEKS PRIOR TO THE AVAILABILITY AND CONTINUE FOR THE ENTIRE CONTRACT PERIOD. TEMPORARY SERVICES TO INCLUDE BASIC CABLE TV SERVICE. TEST AND INSPECT THE BARGE EQUIPMENT/SYSTEMS TO VERIFY PROPER OPERATION IMMEDIATELY UPON CONNECTION OF SERVICES. PRIOR TO SHIP'S FORCE MOVE ABOARD, PROVIDE 100 MANDAYS LABOR AND 20,000 DOLLARS OF MATERIAL TO REPAIR THE CREW LIVING BARGE EQUIPMENT/SYSTEMS AS DIRECTED BY THE SUPERVISOR. MAINTAIN THE BARGE DURING SHIP'S FORCE OCCUPANCY AS DIRECTED BY THE NSA. TEST AND INSPECT THE BARGE EQUIPMENT/ SYSTEMS AGAIN TEN DAYS PRIOR TO SCHEDULED CREW MOVE OFF AND ACCOMPLISH REQUIRED REPAIRS AS DIRECTED BY THE SUPERVISOR. THOROUGHLY CLEAN THE BARGE AFTER CREW MOVE OFF TO INCLUDE FUMIGATION AND WINTERIZING.



|                       |  |                                              |  |                 |  |                     |  |                   |  |         |  |
|-----------------------|--|----------------------------------------------|--|-----------------|--|---------------------|--|-------------------|--|---------|--|
| Task/Abbreviation:    |  | R-86331-024- -BERTHING BARGE TEMP SVCE- PROV |  | MJC: EXSYR370   |  | Rev Date: 11/6/2009 |  |                   |  |         |  |
| RCM Analysis:         |  | Scheduled: N                                 |  | Sit Reqs:       |  | Qty: 001            |  | Removal Required: |  |         |  |
| Lvl of Maint: 1       |  | Freq: 0                                      |  | Equip/Task: 001 |  | Matl Cost: 14,503   |  | ManDays: 113      |  | Alt No: |  |
| Referenced Authority: |  |                                              |  | Repair Pool:    |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                 |
| BASELINE | (R-86331-024)BERTHING BARGE TEMPORARY SERVICES ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE TEMPORARY SERVICES FOR THE BERTHING BARGE WHILE IN THE CONTRACTOR'S FACILITY. NOTE: THE SHIP'S COMMANDING OFFICER SHALL NEGOTIATE WITH THE NAVAL SUPERVISING ACTIVITY A FORMAL WRITTEN PRE-AVAILABILITY AGREEMENT WHICH SHALL DEFINE AND ESTABLISH THE CRITERIA PREREQUISITE FOR CREW MOVE ONBOARD AND TURNOVER OF HABITABILITY SPACES. SUBMIT A COPY OF THE AGREEMENT TO THE TYPE COMMANDER. |

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|-----------------------------------------------------------------|--------------|-----------------|---------------------|-------------------|---------|
| Task/Abbreviation: R-86331-025- -BERTHING BARGE TST/REPAIR-PROV |              | MJC: EXSYR371   | Rev Date: 11/6/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001            | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 58,013   | ManDays: 48       | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3          |                     |                   |         |

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|----------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (R-86331-025)BERTHING BARGE TEMPORARY SERVICES ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE EQUIPMENT/SYSTEMS TESTS AND INSPECTIONS, AND REQUIRED REPAIRS TO THE BERTHING BARGE WHILE IN THE CONTRACTOR'S FACILITY. NOTE: THE SHIP'S COMMANDING OFFICER SHALL NEGOTIATE WITH THE NAVAL SUPERVISING ACTIVITY A FORMAL WRITTEN PRE-AVAILABILITY AGREEMENT WHICH SHALL DEFINE AND ESTABLISH THE CRITERIA PREREQUISITE FOR CREW MOVE ONBOARD AND TURNOVER OF HABITABILITY SPACES. SUBMIT A COPY OF THE AGREEMENT TO THE TYPE COMMANDER. |

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| Task/Abbreviation: R-86341-001- -SHIP - DOCK/UNDOCK |  |              |                 | MJC: EXSYR111      |              | Rev Date: 6/9/2009 |  |
| RCM Analysis:                                       |  | Scheduled: N | Sit Reqs: D/D   | Qty: 001           |              | Removal Required:  |  |
| Lvl of Maint: 1                                     |  | Freq: 0      | Equip/Task: 001 | Matl Cost: 194,939 | ManDays: 314 | Alt No:            |  |
| Referenced Authority:                               |  |              | Repair Pool:    |                    | MCC: 1       |                    |  |

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|----------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (R-86341-001)SERVICES TO DOCK AND UNDOCK THE SHIP DURING THE AVAILABILITY ARE REQUIRED. | DOCK AND UNDOCK THE SHIP IN ACCORDANCE WITH THE DOCKING PLAN AS FOLLOWS: A. FURNISH CERTIFIED DRYDOCK, QUALIFIED PERSONNEL AND EQUIPMENT. B. PROVIDE A DOCKMASTER, PILOTS AND PERSONNEL FOR COMPLETE TRANSFER, DOCKING AND UNDOCKING. C. PROVIDE, SET AND ALIGN BLOCKS IN ACCORDANCE WITH DOCKING PLAN POSITION _____. D. CALCULATE STABILITY. E. PROVIDE BLOCKING LOCATION DOCUMENTATION AND DOCKING REPORT. F. CONNECT/DISCONNECT STATIC GROUND LEADS. G. MAINTAIN WATERTIGHT INTEGRITY. H. PRESSURE WASH THE UNDERWATER HULL AND FITTINGS, RUDDER(S), PROPELLER(S) AND PROPULSION SHAFTING WITHIN 8 HOURS AFTER DOCKING. NOTE: USE SWT 997-02 FOR GUIDANCE IN DEVELOPING SPEC. |

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**Task/Abbreviation:** R-86351-001- -TEMP SVCE - PROV**MJC:** EXSYR079**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 194,885**ManDays:** 461**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86351-001)TEMPORARY SERVICES ARE  
REQUIRED DURING THE AVAILABILITY.PROVIDE TEMP SERVICES DURING AVAIL TO INCLUDE CONNECT  
AND DISCONNECT OF THE FOLLOWING SERVICES FROM SHIPS  
ARRIVAL TO DEPARTURE FOR PERIODS RELATED SHIP'S SYSTEMS  
ARE RESTRICTED OR INOPERATIVE DUE TO REPAIRS: CAMELS,  
GANGWAYS AND BROWS; WATCH HUT; POTABLE WATER;  
FIREFIGHTING, FLUSHING AND COOLING WATER; STEAM (IF APPL);  
FEEDWATER (\_\_\_-GALLONS), IF APPL; ELECTRONIC COOLING WATER  
(\_\_\_-GALLONS) IF APPL; ELECTRIC POWER, 440-VOLT, 3-PHASE,  
\_\_\_-AMPS, 60-HZ; TELEPHONE (\_\_\_) LINES: COMPRESSED AIR (\_\_\_)(\_\_\_)  
DECK MANIFOLDS; CLIMATE CONTROL (CAPABLE OF MAINTAINING A  
50-75 DEGREE F TEMPERATURE WITHIN ELECTRONIC AND OFFICE  
SPACES; PIPING SYSTEMS (PREVENT FREEZING); FIRE ZONE  
BOUNDARIES; GARBAGE/TRASH COLLECTION FACILITIES AND  
DISPOSAL; CO2 FIRE EXTINGUISHERS FOR FIRE WATCH; SOIL  
CONNECTIONS/EFFLUENT WASTE DISPOSAL; TUG/PILOT SERVICES  
FOR SHIPS ARRIVAL, TRANSFERS AND DEPARTURE; MOORING  
LINES FOR SECURING SHIP TO PIER, INCLUDING GUARDS; BASIC  
CABLE TV; SANITARY FACILITIES. NOTE: USE SWT 992-02 FOR  
GUIDANCE IN DEVELOPING SPEC.

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| Task/Abbreviation: R-86351-002- -TEMP REFR STOR - PROV |  |              |  | MJC: EXSYR081   |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                          |  | Scheduled: N |  | Sit Reqs:       |  | Qty: 001           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                        |  | Freq: 0      |  | Equip/Task: 001 |  | Matl Cost: 10,029  |  | ManDays: 11       |  | Alt No: |  |
| Referenced Authority:                                  |  |              |  | Repair Pool:    |  |                    |  | MCC: 1            |  |         |  |

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|----------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                               |
| BASELINE | (R-86351-002)TEMPORARY REFRIGERATED STORAGE IS REQUIRED DURING THE AVAILABILITY. | PROVIDE AND MAINTAIN THE FOLLOWING TEMPORARY REFRIGERATED STORAGE (CHILLER AND FREEZER) FOR USE DURING PERIODS WHEN THE SHIP'S FACILITIES ARE NOT USEABLE.<br>A. ONE (1) CHILLER 3500 CU FT B. ONE (1) FREEZER 3500 CU FT.<br>NOTE: USE SWT 992-23 FOR GUIDANCE IN DEVELOPING SPEC. |

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**Task/Abbreviation:** R-86351-003- -SHIP - REFUEL ASSIST**MJC:** EXSYR084**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 6,287**ManDays:** 73**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 4**Reason:****Problem Description:****Recommended Solution:**

MARMC

(R-86351-003)FUELING ASSIST REQUIRED

ACCOMPLISH THE REQUIREMENTS OF SPORT LOCAL WORK TEMPLATE (LWT) 992-27 TO PROVIDE FUEL ASSISTANCE AND TOWBOAT SERVICES FOR FUEL BARGES. ALLOW 2 DAYS FOR THE GOVT TO REFUEL THE SHIP PRIOR TO MACHINERY SPACE TURNOVER. PROVIDE PILOT, TOWING BRIDLE, AND TOWBOAT SERVICES TO TOW TWO FUEL BARGES FROM CRANEY ISLAND FUEL DEPOT TO THE CONTRACTOR'S PLANT ADJACENT TO THE SHIP. UPON COMPLETION OF FUELING EVOLUTION, RETURN THE BARGES TO CRANEY ISLAND.

**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86351-003)REFUEL SHIP SERVICES REQUIRED

REFUEL SHIP - ACCOMPLISH THE FOLLOWING: A. PROVIDE TWO (2) DAYS SERVICES TO REFUEL DISTILLATE FUEL, JP-5 AND LUBRICATING OIL. B. PROVIDE SERVICES TO TRANSPORT AND RETURN FUEL OIL BARGE TO AND FROM CONTRACTOR'S FACILITY. NOTE: 1. FOR SHIPS WITH UNCOMPENSATED FUEL OIL STORAGE TANKS, NO TANK SHOULD BE FILLED BEYOND 95 PERCENT CAPACITY. 2. FOR SHIPS WITH COMPENSATED FUEL OIL STORAGE TANKS, DO NOT FILL THE LAST TANK IN A BANK BEYOND 85 PERCENT FULL WHEN IN-PORT OR BEYOND 95 PERCENT FULL WHEN AT SEA.

|                                                                 |  |                     |  |                        |  |                           |  |                          |  |                |  |
|-----------------------------------------------------------------|--|---------------------|--|------------------------|--|---------------------------|--|--------------------------|--|----------------|--|
| <b>Task/Abbreviation:</b> R-86351-004- -HURRICANE PREP - ACCOMP |  |                     |  | <b>MJC:</b> EXSYR097   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 12,000  |  | <b>ManDays:</b> 150      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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|----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reason:</b> | <b>Problem Description:</b>                                                                                | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                   |
| BASELINE       | (R-86351-004)SERVICES TO PREPARE THE VESSEL FOR HURRICANE CONDITIONS DURING THE AVAILABILITY ARE REQUIRED. | HURRICANE PREPARATIONS - PROVIDE SERVICES TO PREPARE/RESTORE VESSEL FOR HURRICANE CONDITIONS IN ACCORDANCE WITH SHIPYARD GUIDELINES. NOTE: FOR PRIVATE SECTOR AVAILABILITIES, ACCOMPLISH IAW REQUIREMENTS OF THE HEAVY WEATHER PLAN DEVELOPED PER NAVSEA STANDARD ITEM 009-69. |

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**Task/Abbreviation:** R-86351-009- -TEMP A/C - PROV**MJC:** EXSYR162**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 1**Matl Cost:** 10,835**ManDays:** 73**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86351-009)VARIOUS ELECTRONICS/ELECTRICAL SPACES AND OFFICE SPACES REQUIRE TEMPORARY AIR CONDITIONING SERVICE DURING THE AVAILABILITY TO SUPPORT SHIP'S FORCE ADMINISTRATIVE WORK, ADP AND SHIP'S COMMUNICATIONS.

PROVIDE, INSTALL AND MAINTAIN TEMPORARY AIR CONDITIONING FOR VARIOUS ELECTRONICS/ELECTRICAL SPACES AND OFFICE SPACES AS DESIGNATED. DISCONNECT AND REMOVE TEMPORARY AIR CONDITIONING WHEN DIRECTED BY THE NAVAL SUPERVISING ACTIVITY. NOTE 1: KEY SPACES THAT REQUIRE TEMPORARY AIR CONDITIONING DURING THE AVAILABILITY ARE TO BE IDENTIFIED BY SHIP'S FORCE NO LATER THAN THE WORK PACKAGE INTEGRATION CONFERENCE (WPIC). NOTE 2: TYPICAL SPACES THAT MAY REQUIRE TEMPORARY AIR CONDITIONING INCLUDE :(1) SNAP/ADP ROOM/LAN OFFICE, (2) DC CENTRAL/CENTRAL CONTROL STATION, (3) COMM CENTER/RADIO CENTRAL/RADIO ROOM, (4) IC/GYRO ROOM (5) CENTRAL OFFICE COMPLEX.



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**Task/Abbreviation:** R-86351-014- -WATERWAY SECURITY BARRIER-PROV**MJC:** EXSYR183**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 300**ManDays:** 25**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86351-014)WATERWAY BARRIER SECURITY  
BOOM REQUIRED DURING THE SHIPYARD  
AVAILABILITY.PICK UP APPROX 600 FEET OF TUFFLOAT 2 WATERWAY BARRIER  
SECURITY BOOM FROM A LOCATION TO BE DESIGNATED BY THE  
SUPERVISOR AND TRANSPORT TO CONTRACTOR'S FACILITY.  
TRANSPORT WILL NOT EXCEED 35 MILES. INSTALL WATERWAY  
BARRIER SECURITY BOOM WITHIN ONE DAY OF VESSEL ARRIVAL.  
MODIFY BARRIER AS REQUIRED AND AS DIRECTED BY THE  
SUPERVISOR. UTILIZE ANCHORED BUOYS AT EACH END OF THE  
BARRIER AND AT 150 FOOT INTERVALS TO KEEP THE BARRIER IN  
ESTABLISHED POSITION. DISCONNECT AND RECONNECT BARRIER  
FOUR TIMES TO ALLOW CRANES, BARGES, SMALL CRAFT, ETC. TO  
ENTER THE SECURED AREA. MAINTAIN BARRIER FOR DURATION OF  
CONTRACT. WHEN DIRECTED BY THE SUPERVISOR, DISCONNECT  
AND REMOVE THE BARRIER. POWER WASH THE REMOVED BARRIER  
AND TRANSPORT TO A LOCATION TO BE DESIGNATED BY THE  
SUPERVISOR WITHIN 35 MILES OF CONTRACTOR'S FACILITY. NOTE:  
THIS ITEM IS ONLY APPLICABLE TO CNO AVAILABILITIES WITHIN THE  
NORFOLK HOMEPORT AREA.

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**Task/Abbreviation:** R-86351-015- -T-1 LINE - PROV**MJC:** EXSYR151**Rev Date:** 6/9/2009**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 1 **Freq:** 0 **Equip/Task:** 1 **Matl Cost:** 560 **ManDays:** 8 **Alt No:****Referenced Authority:** **Repair Pool:** **MCC:** 1**Reason:****Problem Description:**

BASELINE

(R-86351-015)A DEDICATED T-1 LINE CONNECTION IS NEEDED TO PROVIDE NIPRNET AND SIPRNET SERVICE FOR SHIPS IN AN AVAILABILITY AT A COMMERCIAL SHIPYARD.

**Recommended Solution:**

PROVIDE A DEDICATED T-1 LINE CONNECTION FOR NIPRNET AND SIPRNET SERVICE TO THE SHIP ON A CONTINUOUS BASIS, 24 HOURS PER DAY, DURING THE ENTIRE AVAILABILITY. CONDUCT AN INITIAL TEST OF THE T-1 CIRCUIT TO ENSURE THAT IT IS CAPABLE OF SUPPORTING COMMUNICATIONS TRAFFIC. NOTE 1: IF THE SHIP WILL BE MOORED AT MORE THAN ONE LOCATION/FACILITY DURING THE AVAILABILITY, PROVIDE A T-1 LINE CONNECTION AT EACH LOCATION/FACILITY. NOTE 2: THIS TASK IS ONLY APPLICABLE TO PRIVATE SECTOR AVAILABILITIES AT A COMMERCIAL SHIPYARD.

**Reason:****Problem Description:**

MARMC

(R-86351-015)T-1 LINE CONNECTIVITY FOR NIPRNET/SIPRNET SUPPORT REQUIRED DURING AVAILABILITY AT A COMMERCIAL SHIPYARD

**Recommended Solution:**

UTILIZE SMWG STANDARD WORK TEMPLATE (SWT) 992-09 TO PROVIDE A TRANSPORT CONTROL PROTOCOL/INTERNET PROTOCOL (TCP/IP) BASED T-1 TYPE COMPUTER NETWORK POINT TO POINT CONNECTION FOR DIRECT LINE CONNECTIVITY FROM THE PIERSIDE RISER SUPPORTING THE SHIP TO THE LOCAL GOVT COMMUNICATIONS FACILITY THAT CAN CONNECT TO THE UNIFIED ATLANTIC REGION NETWORK OPERATIONS CENTER (UARNOC) . TEST THE T-1 CIRCUIT FROM THE RISER TO THE LOCAL GOVT COMMUNICATIONS FACILITY TO ENSURE THE CIRCUIT IS STABLE AND CAPABLE OF SUPPORTING COMMUNICATIONS TRAFFIC. RELOCATE THE T-1 CONNECTION EACH TIME THE SHIP IS MOVED AND NOTIFY THE SHIP THAT CONNECTIVITY IS COMPLETE.

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| Task/Abbreviation:    |   | R-86351-016- -TRANSP SVCE (SHIP-NAVSTA)-PROV |   | MJC:        | EXSYR362 | Rev Date:  | 6/8/2009          |          |     |         |  |
| RCM Analysis:         |   | Scheduled:                                   | N | Sit Reqs:   | Qty:     | 001        | Removal Required: |          |     |         |  |
| Lvl of Maint:         | 1 | Freq:                                        | 0 | Equip/Task: | 001      | Matl Cost: | 15,000            | ManDays: | 115 | Alt No: |  |
| Referenced Authority: |   | Repair Pool:                                 |   | MCC:        |          | 3          |                   |          |     |         |  |

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| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (R-86351-016)CREW TRANSPORTATION IS REQUIRED. | PROVIDE CREW TRANSPORTATION TO AND FROM THE SHIP AND TO AND FROM THE NAVAL STATION WHILE THE SHIP IS AT THE CONTRACTOR'S FACILITY. NUMBER OF TRIPS AND TIMES TO BE DETERMINED.                                                                                                                                                                                                             |
| Reason:  | Problem Description:                          | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                      |
| SWRMC    | (R-86351-016)CREW TRANSPORTATION IS REQUIRED. | PROVIDE CREW TRANSPORTATION TO AND FROM THE SHIP AND TO AND FROM THE NAVAL STATION WHILE THE SHIP IS AT THE CONTRACTOR'S FACILITY. NUMBER OF TRIPS AND TIMES TO BE DETERMINED. NOTE: THIS ITEM IS ONLY APPLICABLE TO DRYDOCKING AVAILABILITIES ACCOMPLISHED IN THE SAN DIEGO HOMEPORT AREA OR SAN DIEGO HOMEPORT AREA NON-DRYDOCKING AVAILABILITIES NOT ACCOMPLISHED AT THE NAVAL STATION. |

|                                                                 |              |                 |                    |                   |         |
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| Task/Abbreviation: R-86351-017- -TRANSPORTATION SERVICES - PROV |              | MJC: EXSYR363   | Rev Date: 6/8/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 2,562   | ManDays: 29       | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3          |                    |                   |         |

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|----------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reason:  | Problem Description:                                                                                                                        | Recommended Solution:                                                                                                                                                    |
| BASELINE | (R-86351-017)CREW TRANSPORTATION IS REQUIRED FOR CNO AVAILABILITIES WITHIN THE SAN DIEGO HOMEPORT AREA.                                     | PROVIDE CREW TRANSPORTATION.                                                                                                                                             |
| Reason:  | Problem Description:                                                                                                                        | Recommended Solution:                                                                                                                                                    |
| MARMC    | (R-86351-017)TRANSPORTATION SERVICES FOR PERSONNEL AND EQUIPMENT ARE REQUIRED TO SUPPORT SHIPYARD WORK DURING THE DEPOT LEVEL AVAILABILITY. | PROVIDE TRANSPORTATION SERVICES BETWEEN THE CONTRACTOR'S PLANT AND THE SHIP FOR PERSONNEL AND EQUIPMENT IN SUPPORT OF SHIPYARD WORK DURING THE DEPOT LEVEL AVAILABILITY. |

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| <b>Task/Abbreviation:</b> R-86352-001- -HAND AND PWR TOOLS - PROV |  |                     |  | <b>MJC:</b> EXSYR285   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 976     |  | <b>ManDays:</b> 57       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                               | <b>Recommended Solution:</b>                                                                                                                                                                                    |
| BASELINE       | (R-86352-001)HAND AND POWER TOOLS FOR TEMPORARY USE BY SHIP'S FORCE DURING THE AVAILABILITY ARE REQUIRED. | PROVIDE HAND AND POWER TOOLS OF INDUSTRIAL QUALITY, MEETING OSHA SAFETY REQUIREMENTS, IN A LIKE NEW CONDITION FOR TEMPORARY USE BY SHIP'S FORCE DURING THE AVAILABILITY IN ACCORDANCE WITH SHIPYARD PROCEDURES. |

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**Task/Abbreviation:** R-86352-002- -GOVT ACT TEMP STOR SPACES-PROV**MJC:** EXSYR314**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 26,746**ManDays:** 43**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86352-002)NEED GOVT ACTIVITIES TEMP STOR SPACES DURING AVLBL

TEMP STORAGE SPACES - ACCOMPLISH FOLLOWING: A. PROVIDE FOLLOWING WEATHERPROOF, LOCKED, TEMP STORAGE SPACES ASHORE, FURNISHED WITH LIGHTS, 120 VAC (24 HOUR SERVICE), SHELVING & TWO EACH 15 LB. CO2 FIRE EXTINGUISHERS AT EACH LOCATION FOR OTHER GOVT ACTIVITIES (AIT, TIGER TEAMS, ETC.) USE AS REQUIRED: 1. HAZARDOUS MATERIAL STORAGE - ( ) SQ. FT. MINIMUM FLOOR SPACE 2. FLAMMABLE LIQUIDS STORAGE (PAINT, FLAMMABLE & CORROSIVE LIQUIDS) - ( ) SQ. FT. MINIMUM FLOOR SPACE. 3. SECURE, HEATED WAREHOUSE SPACE - ( ) SQ. FT. MINIMUM FLOOR SPACE. B. PROVIDE FOLLOWING FOR HAZ MATERIAL & FLAMMABLE LIQUIDS STORAGE SPACES: 1. VENTILATION. 2. PORTABLE EYE WASH STATION LOCATED ADJACENT TO THESE TWO SPACES. IF THE TWO SPACES ARE NOT LOCATED TOGETHER, PROVIDE A PORTABLE EYE WASH STATION FOR EACH SPACE. NOTES: 1. THE HAZ MATERIAL & FLAMMABLE LIQUIDS STORAGE SPACES SHALL BE LOCATED WITHIN CLOSE PROXIMITY TO THE SHIP AS APPROVED BY LOCAL CODES & REGULATIONS. SEPARATE EACH OF THESE SPACES FROM OTHER STRUCTURES BY A MINIMUM OF 25 FEET. 2. TO PROVIDE HAZ MATERIAL & FLAMMABLE LIQUIDS STORAGE USE SWT 993-01 FOR GUIDANCE IN DEVELOPING SPEC

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**Task/Abbreviation:** R-86361-001- -TEMPORARY ACCESSES - PROV**MJC:** EXSYR380**Rev Date:** 4/23/2010**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 2,160**ManDays:** 57**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86361-001)TEMPORARY ACCESSES REQUIRED DURING THE AVAILABILITY.

PROVIDE TEMPORARY ACCESSES AS FOLLOWS: A. PROVIDE TEMPORARY ACCESS OPENINGS FOR REMOVAL AND INSTALLATION OF EQUIPMENT AND MACHINERY FOR AUTHORIZED REPAIRS AND TO PROVIDE FOR GENERAL PERSONNEL ACCESS. B. REMOVE AND REINSTALL ASSOCIATED INTERFERENCES. C. PROVIDE, INSTALL, MAINTAIN AND REMOVE TEMPORARY SAFETY RAILS AND COAMING FOR TEMPORARY ACCESS OPENINGS. D. PROVIDE AND MAINTAIN TEMPORARY CLOSURES TO PRESERVE SHIP'S WATERTIGHT INTEGRITY AND TO PROTECT THE SHIP FROM THE WEATHER AND CONTAMINATION. INSTALL CLOSURES WHENEVER THE ACCESS IS NOT IN USE. NOTE 1: ANY ACCESS OPENING WHICH IS SOLELY FOR THE PURPOSE OF SUPPORTING REPAIR WORK REQUIRED BY A SINGLE REPAIR WORK ITEM SHALL BE CHARGED TO THE WORK ITEM REQUIRING THAT ACCESS EVEN THOUGH THE ACCOMPLISHMENT OF OTHER WORK ITEMS MAY BENEFIT FROM THE EXISTENCE OF THAT ACCESS WHILE IT IS OPEN. NOTE 2: ANY ACCESS OPENING WHICH IS SOLELY FOR THE PURPOSE OF SUPPORTING ACCOMPLISHMENT OF AN ALTERATION SHALL BE CHARGED TO THE ALTERATION REQUIRING THAT ACCESS. NOTE 3: THIS TASK IS NOT REQUIRED WHEN NAVSEA CATEGORY 1 STANDARD ITEM 009-05 IS INVOKED AS PART OF THE SOLICITATION.

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| Task/Abbreviation: R-86371-001- -ADV PLNG TECH SPRT (TYC) -PROV |              | MJC: EXSYR043   | Rev Date: 6/10/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001            | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 4,443    | ManDays: 40       | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3          |                     |                   |         |

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| Reason:  | Problem Description:                                                                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| BASELINE | (R-86371-001)TECHNICAL LIBRARY AND REPRODUCTION SUPPORT SERVICES ARE REQUIRED DURING THE ADVANCE PLANNING PHASE OF THE AVAILABILITY. | PROVIDE AT THE CONTRACTOR'S FACILITY THE FOLLOWING TECHNICAL SUPPORT DURING THE ADVANCE PLANNING PHASE: A. A TECHNICAL LIBRARY CONTAINING DATA AND DRAWINGS NECESSARY TO SUPPORT THE PLANNING EFFORT. THIS SHOULD INCLUDE GENERAL TECHNICAL INFORMATION (MILITARY STANDARDS, INDUSTRY STANDARDS, APPLICABLE NAVY AND DOD DIRECTIVES) AS WELL AS TECHNICAL MANUALS, SHIP'S INFORMATION BOOKS AND SHIP'S DRAWINGS. B. A CAPABILITY FOR BLUEPRINT REPRODUCTION. C. A CAPABILITY FOR MICROFICHE/APERTURE CARD READING AND REPRODUCTION. D. A WORD PROCESSING CAPABILITY. TYCOM PORTION |



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| Task/Abbreviation: R-86371-002- -AVLBL TECH SPRT (TYC) - PROV |         |                 | MJC: EXSYR227     |             | Rev Date: 6/9/2009 |                   |
| RCM Analysis:                                                 |         | Scheduled: N    | Sit Reqs:         |             | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                               | Freq: 0 | Equip/Task: 001 | Matl Cost: 10,106 | ManDays: 50 | Alt No:            |                   |
| Referenced Authority:                                         |         | Repair Pool:    |                   | MCC: 4      |                    |                   |

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| Reason:  | Problem Description:                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (R-86371-002)TECHNICAL LIBRARY AND REPRODUCTION SUPPORT SERVICES ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE AT THE CONTRACTOR'S FACILITY THE FOLLOWING TECHNICAL SUPPORT DURING THE AVAILABILITY PERIOD: A. A TECHNICAL LIBRARY CONTAINING DATA AND DRAWINGS NECESSARY TO SUPPORT THE PLANNING EFFORT. THIS SHOULD INCLUDE GENERAL TECHNICAL INFORMATION (MILITARY STANDARDS, INDUSTRY STANDARDS, APPLICABLE NAVY AND DOD DIRECTIVES) AS WELL AS TECHNICAL MANUALS, SHIP'S INFORMATION BOOKS AND SHIP'S DRAWINGS. B. A CAPABILITY FOR BLUEPRINT REPRODUCTION. C. A CAPABILITY FOR MICROFICHE/APERTURE CARD READING AND REPRODUCTION. D. A WORD PROCESSING CAPABILITY. TYCOM PORTION |

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**Task/Abbreviation:** R-86371-003- -ADV PLNG TECH SPRT (NSSC)-PROV**MJC:** EXSYR045**Rev Date:** 6/10/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 1,333**ManDays:** 12**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86371-003)TECHNICAL LIBRARY AND REPRODUCTION SUPPORT SERVICES ARE REQUIRED DURING THE ADVANCE PLANNING PHASE OF THE AVAILABILITY.

PROVIDE AT THE CONTRACTOR'S FACILITY THE FOLLOWING TECHNICAL SUPPORT DURING THE ADVANCE PLANNING PHASE: A. A TECHNICAL LIBRARY CONTAINING DATA AND DRAWINGS NECESSARY TO SUPPORT THE PLANNING EFFORT. THIS SHOULD INCLUDE GENERAL TECHNICAL INFORMATION (MILITARY STANDARDS, INDUSTRY STANDARDS, APPLICABLE NAVY AND DOD DIRECTIVES) AS WELL AS TECHNICAL MANUALS, SHIP'S INFORMATION BOOKS AND SHIP'S DRAWINGS. B. A CAPABILITY FOR BLUEPRINT REPRODUCTION. C. A CAPABILITY FOR MICROFICHE/APERTURE CARD READING AND REPRODUCTION. D. A WORD PROCESSING CAPABILITY. NAVSEA PORTION

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| Task/Abbreviation:    |            | R-86371-004- -AVLBL TECH SPRT (NSSC) - PROV |           | MJC:        | EXSYR229 | Rev Date:         | 6/9/2009 |          |    |         |  |
| RCM Analysis:         | Scheduled: | N                                           | Sit Reqs: | Qty:        | 001      | Removal Required: |          |          |    |         |  |
| Lvl of Maint:         | 1          | Freq:                                       | 0         | Equip/Task: | 001      | Matl Cost:        | 3,032    | ManDays: | 15 | Alt No: |  |
| Referenced Authority: |            | Repair Pool:                                |           | MCC:        |          | 2                 |          |          |    |         |  |

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| Reason:  | Problem Description:                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (R-86371-004)TECHNICAL LIBRARY AND REPRODUCTION SUPPORT SERVICES ARE REQUIRED DURING THE AVAILABILITY. | PROVIDE AT THE CONTRACTOR'S FACILITY THE FOLLOWING TECHNICAL SUPPORT DURING THE AVAILABILITY PERIOD: A. A TECHNICAL LIBRARY CONTAINING DATA AND DRAWINGS NECESSARY TO SUPPORT THE PLANNING EFFORT. THIS SHOULD INCLUDE GENERAL TECHNICAL INFORMATION (MILITARY STANDARDS, INDUSTRY STANDARDS, APPLICABLE NAVY AND DOD DIRECTIVES) AS WELL AS TECHNICAL MANUALS, SHIP'S INFORMATION BOOKS AND SHIP'S DRAWINGS. B. A CAPABILITY FOR BLUEPRINT REPRODUCTION. C. A CAPABILITY FOR MICROFICHE/APERTURE CARD READING AND REPRODUCTION. D. A WORD PROCESSING CAPABILITY. NAVSEA PORTION |

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| <b>Task/Abbreviation:</b> R-86411-001- -SF - ASSIST |  |                     |  | <b>MJC:</b> EXSYR055   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 8,580   |  | <b>ManDays:</b> 147      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                        |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                          | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                           |
| BASELINE       | (R-86411-001)SERVICES TO PROVIDE INDUSTRIAL ASSISTANCE IN SUPPORT OF SHIP'S FORCE WORK ARE REQUIRED. | ASSIST SHIPS FORCE (ASF): PROVIDE INDUSTRIAL ASSISTANCE IN SUPPORT OF SHIP'S FORCE WORK LIMITED BY FUNDS AUTHORIZED. ASSISTANCE TO BE PROVIDED ONLY WHEN REQUESTED BY THE COMMANDING OFFICER AND AUTHORIZED BY THE NAVAL SUPERVISING ACTIVITY. PROVIDE ( ) MANDAYS AND (\$ ) MATERIAL. |

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| Task/Abbreviation: R-86411-002- -GOVT REPS - ASSIST |  |              |  | MJC: EXSYR236   |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                       |  | Scheduled: N |  | Sit Reqs:       |  | Qty: 001           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                     |  | Freq: 0      |  | Equip/Task: 001 |  | Matl Cost: 9,279   |  | ManDays: 27       |  | Alt No: |  |
| Referenced Authority:                               |  |              |  | Repair Pool:    |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BASELINE | (R-86411-002)SERVICES TO PROVIDE INDUSTRIAL ASSISTANCE IN SUPPORT OF WORK BY GOVERNMENT REPRESENTATIVES ARE REQUIRED. | PROVIDE INDUSTRIAL ASSISTANCE IN SUPPORT OF GOVERNMENT REPRESENTATIVES TO THE LIMIT OF FUNDS AUTHORIZED. ASSISTANCE TO BE PROVIDED AS AUTHORIZED BY THE NAVAL SUPERVISING ACTIVITY. PROVIDE ( ) MANDAYS AND (\$ ) MATERIAL. NOTE 1: THIS ITEM REQUIRED TO SUPPORT THIRD PARTY ALTERATIONS AND REPAIRS. NOTE 2: FOR INDUSTRIAL ASSISTANCE TO ALTERATION INSTALLATION TEAM (AIT), USE APPLICABLE PORTIONS OF SWT 980-04 FOR GUIDANCE IN DEVELOPING SPEC. |

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**Task/Abbreviation:** R-86411-003- -HAB SELF-HELP PROJ - SPRT**MJC:** EXSYR057**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 1,700**ManDays:** 62**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86411-003)SERVICES TO PROVIDE INDUSTRIAL ASSISTANCE TO SUPPORT THE SELF-HELP HABITABILITY IMPROVEMENT PROJECT ARE REQUIRED.

ACCOMPLISH THE FOLLOWING IN SUPPORT OF SELF-HELP HABITABILITY IMPROVEMENT PROJECT: A. PROVIDE ( ) SQ. FT. OF SECURE STORAGE SPACE. B. TEST AND REMOVE HAZARDOUS MATERIAL (ASBESTOS, LEAD BASED AND ZINC CHROMATE PAINTS, PCB GASKETS, ETC.) IN AREAS AFFECTED BY THE SELF-HELP HABITABILITY IMPROVEMENT PROJECT. C. PROVIDE AUTHORIZED DESIGNATED TRADE SUPPORT. NOTE: STORAGE, TRANSPORT AND DISPOSAL OF HAZARDOUS WASTE MATERIAL IS COVERED UNDER TASK R-86591-01.

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| <b>Task/Abbreviation:</b> R-86411-004- -LIGHT-OFF ASSISTANCE - PROV |  |                     |  | <b>MJC:</b> EXSYR238   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 11,681  |  | <b>ManDays:</b> 128      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                         | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                     |
| BASELINE       | (R-86411-004)SERVICES TO PROVIDE LIGHT-OFF ASSISTANCE IN SUPPORT OF SHIP'S FORCE WORK ARE REQUIRED. | PROVIDE LIGHT-OFF ASSISTANCE IN SUPPORT OF SHIP'S FORCE LIMITED BY FUNDS AUTHORIZED. ASSISTANCE TO BE PROVIDED AS AUTHORIZED BY THE NAVAL SUPERVISING ACTIVITY. PROVIDE (__) MANDAYS AND (\$____) MATERIAL. NOTE: FOR LOA, THIS TASK IS NOT TO BE INCLUDED IN WORK PACKAGES FOR COMNAVSURFPAC STANDARD NINE-WEEK AVAILABILITIES. |

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**Task/Abbreviation:** R-86411-005- -OMPC ASSIST - PROV**MJC:** EXSYR324**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 1**Removal Required:****Lvl of Maint:** 3**Freq:** 0**Equip/Task:** 1**Matl Cost:** 3,000**ManDays:** 88**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86411-005)ON-SITE MAINTENANCE PROCESS COORDINATION (OMPC) TO SUPPORT SHIP'S FORCE MAINTENANCE EFFORTS IS REQUIRED DURING CNO AVAILABILITY.

ACCOMPLISH ON-SITE MAINTENANCE PROCESS COORDINATION (OMPC) PROGRAM TO SUPPORT SHIP'S FORCE MAINTENANCE EFFORTS WITH TECHNICAL EXPERTISE, MATERIALS, SPECIAL TOOLS, SPECIALIZED TRADE LABOR, AND HANDS-ON ASSISTANCE DURING CNO AVAILABILITY. OMPC TO INCLUDE: A) REVIEW CSMP WITH S/F TO IDENTIFY JOBS REQUIRING OMPC ASSIST; B) IDENTIFY AND ARRANGE FOR MATL, SERVICES, SPECIAL TOOLS, REQUIRED SKILLS, ETC. C) ASSIST S/F IN ACCOMPLISHING REQUIRED REPAIRS; D) ASSIST S/F TO ACCOMPLISH REQUIRED OPERATIONAL AND/OR WEIGHT TESTING; E) PROVIDE TECHNICAL INFO, ASSISTANCE, AND GUIDANCE TO PERFORMING CONTRACTORS AS DIRECTED BY PORT ENGINEER; F) AT AVAILABILITY END, ASSIST S/F IN OPERATIONAL TESTING, ADJUSTMENT, AND GROOMING OF H, M, AND E SYSTEMS. NOTE: SCREEN TO NSWC-CD SSES CODE 9733; POC IS BYRON WALKER, PHONE 757-312-0542, EXT. 31.



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| <b>Task/Abbreviation:</b> R-86411-006- -SF SECURITY PERS SPRT - PROV |  |                     |  | <b>MJC:</b> EXSYR325   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 9,800   |  | <b>ManDays:</b> 25       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 1            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                 | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE       | (R-86411-006)SHIPYARD SUPPORT FOR SHIP'S FORCE SECURITY PERSONNEL REQUIRED. | PROVIDE SUPPORT TO SHIP'S FORCE SECURITY PERSONNEL FOR THE ENTIRE CONTRACT PERIOD. SHIPYARD SUPPORT TO INCLUDE: (A) BERTHING SPACE AND FUEL FOR SHIP'S FORCE PROTECTION SECURITY BOAT; (B) A BARRICADED AREA AT THE FOOT OF THE BROW CONTAINING A SUITABLE ENCLOSED COVERED SECURITY CHECKPOINT WITH SIDES THAT CAN BE LOWERED TO PROTECT WATCHSTANDERS AND PERSONNEL BEING INSPECTED FROM THE WEATHER; (C) A SECURITY CHECKPOINT WITH PORTABLE HEATER AND A 6 FOOT TABLE SUITABLE FOR INSPECTING PARCELS; (D) A SECURITY WATCH SHELTER, SIMILAR TO QUARTERDECK SHELTER, FURNISHED WITH HEATER AND DIRECT TELEPHONE SERVICE. NOTE: THIS ITEM IS ONLY APPLICABLE TO CNO AVAILABILITIES WITHIN THE NORFOLK HOMEPORT AREA. |

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| Task/Abbreviation: R-86411-007- -AIT SUPPORT - PROV |         |                 | MJC: EXSYR359    |             | Rev Date: 6/4/2009 |                   |
| RCM Analysis:                                       |         | Scheduled: N    | Sit Reqs:        |             | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                     | Freq: 0 | Equip/Task: 001 | Matl Cost: 9,279 | ManDays: 27 | Alt No:            |                   |
| Referenced Authority:                               |         | Repair Pool:    | MCC: 2           |             |                    |                   |

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| Reason:  | Problem Description:                                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (R-86411-007)SERVICES TO PROVIDE INDUSTRIAL ASSISTANCE IN SUPPORT OF ALTERATION INSTALLATION TEAMS (AIT) ARE REQUIRED. | PROVIDE INDUSTRIAL ASSISTANCE IN SUPPORT OF ALTERATION INSTALLATION TEAMS (AIT) TO THE LIMIT OF FUNDS AUTHORIZED. ASSISTANCE TO BE PROVIDED AS AUTHORIZED BY THE NAVAL SUPERVISING ACTIVITY. PROVIDE ( ) MANDAYS LABOR AND (\$ ) MATERIAL. NOTE 1: THIS ITEM REQUIRED TO SUPPORT THIRD PARTY ALTERATIONS. NOTE 2: USE APPLICABLE PORTIONS OF SWT 980-04 FOR GUIDANCE IN DEVELOPING SPEC. |
| Reason:  | Problem Description:                                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                    |
| SWRMC    | (R-86411-007)SERVICES TO PROVIDE INDUSTRIAL ASSISTANCE IN SUPPORT OF ALTERATION INSTALLATION TEAMS (AIT) ARE REQUIRED. | PROVIDE INDUSTRIAL ASSISTANCE IN SUPPORT OF ALTERATION INSTALLATION TEAMS (AIT) TO THE LIMIT OF FUNDS AUTHORIZED. ASSISTANCE TO BE PROVIDED AS AUTHORIZED BY THE NAVAL SUPERVISING ACTIVITY. PROVIDE 25 MANDAYS LABOR AND \$10,000 MATERIAL. NOTE 1: THIS ITEM REQUIRED TO SUPPORT THIRD PARTY ALTERATIONS.                                                                              |

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| Task/Abbreviation: R-86411-008- -RMC INDUSTRIAL SUPPORT - PROV |              | MJC: EXSYR372   | Rev Date: 11/25/2009 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:       | Qty: 001             | Removal Required: |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 001 | Matl Cost: 5,000     | ManDays: 115      | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 2          |                      |                   |         |

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| Reason:        | Problem Description:                                                                                                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BIG DECK HULLS | (R-86411-008)INDUSTRIAL SUPPORT IAW SWT 980-04 REQUIRED FOR MARMC PRODUCTION TEAM ACCOMPLISHING SHIPBOARD REPAIRS AND ALTERATIONS DURING THE SHIPYARD AVAILABILITY. | PROVIDE INDUSTRIAL SERVICES IN SUPPORT OF MARMC PRODUCTION TEAM ACCOMPLISHING SHIPBOARD REPAIRS AND ALTERATIONS DURING THE SHIPYARD AVAILABILITY. SERVICES REQUIRED 8 HOURS/DAY, 5 DAYS/WEEK. REQUIRED SERVICES TO INCLUDE: (A) 15 CRANE LIFTS WITH OPERATOR, RIGGING, AND TRANSPORTATION SERVICES; (B) 100 MANDAYS LABOR AND \$5,000 MATERIAL AS DESIGNATED BY THE NSA; INCLUDES 20 MANDAYS WELDER/BURNER/BRAZER SERVICES AND 40 MANDAYS FIREWATCH SERVICES; (C) 25 MANDAYS LABOR AND \$2500 MATERIAL FOR PRESERVATION SERVICES; (D) 15 MANDAYS LABOR AND \$2500 MATERIAL FOR LAGGING/INSULATION SERVICES. POC TO BE IDENTIFIED AT THE WPIC. |

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| Task/Abbreviation: R-86421-001- -SAMS SPRT - PROV |  |              |  | MJC: EXSYR201   |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                     |  | Scheduled: N |  | Sit Reqs:       |  | Qty: 001           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                   |  | Freq: 0      |  | Equip/Task: 001 |  | Matl Cost:         |  | ManDays: 29       |  | Alt No: |  |
| Referenced Authority:                             |  |              |  | Repair Pool:    |  |                    |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                                             | Recommended Solution:                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (R-86421-001)SHIP AVAILABILITY MAINTENANCE SYSTEM SUPPORT SERVICES ARE REQUIRED. | PROVIDE SERVICES AND MATERIAL NECESSARY TO IMPLEMENT SHIP AVAILABILITY MAINTENANCE SYSTEM (SAMS) PROJECT EVALUATION REVIEW TECHNIQUE (PERT) CRITICAL PATH METHOD (CPM) INTEGRATION IN SUPPORT OF SHIP'S COH. UPDATE PER SUPSHIP'S PROPOSED SAMS MILESTONES AS NECESSARY. PROVIDE LIAISON BETWEEN SHIPYARD, SHIP'S FORCE AND SUPSHIP OFFICE CONCERNING ACTIVITIES. |

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| Task/Abbreviation: R-86431-001- -ILO/ILR TASKS - ACCOMP |         |                 | MJC: EXSYR223  |             | Rev Date: 10/5/2011 |                   |
| RCM Analysis:                                           |         | Scheduled: N    | Sit Reqs:      |             | Qty: 001            | Removal Required: |
| Lvl of Maint: 1                                         | Freq: 0 | Equip/Task: 001 | Matl Cost: 529 | ManDays: 39 | Alt No:             |                   |
| Referenced Authority:                                   |         | Repair Pool:    |                | MCC: 2      |                     |                   |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                                                         |
| BASELINE | (R-86431-001)ACCOMPLISHMENT OF ILO/ILR TASKS IS REQUIRED. | ACCOMPLISH ILO/ILR TASKS IN ACCORDANCE WITH THE LATEST FMPMIS SCHEDULE REPORT, AND THE ILO POLICY AND PROCEDURES MANUAL NAVSEA SL105-AA-PRO SERIES. NOTE: QUESTIONS SHOULD BE DIRECTED TO THE TYPE COMMANDER ILO COORDINATOR. |

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| <b>Task/Abbreviation:</b> R-86431-002- -ILO/ILR SPRT PERS - PROV |  |                     |  | <b>MJC:</b> EXSYR041   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 4                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 1            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                            | <b>Recommended Solution:</b>                                                                                                                   |
| BASELINE       | (R-86431-002)SHIP'S FORCE SUPPORT OF THE ILO/ILR ACTIVITY IS REQUIRED. | PROVIDE SHIP'S FORCE PERSONNEL TO SUPPORT THE ILO/ILR ACTIVITY IN ACCORDANCE WITH ILR POLICY AND PROCEDURES MANUAL NAVSEA SL105-AA-PRO SERIES. |

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| <b>Task/Abbreviation:</b> R-86431-003- -EQPT TECH MANUALS - PROV |  |                     |  | <b>MJC:</b> EXSYR225   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                             |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                           |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 88      |  | <b>ManDays:</b> 10       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                     |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                         | <b>Recommended Solution:</b>                                                                                                                                        |
| BASELINE       | (R-86431-003)SERVICES TO UPDATE SHIP'S<br>SELECTED RECORDS ARE REQUIRED DURING THE<br>AVAILABILITY. | PROVIDE THE SHIP TWO (2) COPIES OF TECHNICAL MANUALS FOR<br>EQUIPMENT INSTALLED DURING THE AVAILABILITY.<br>SPECIFICATION: SL720-AA-MAN-010, FMP MANUAL, SECTION 8. |

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| <b>Task/Abbreviation:</b> R-86431-004- -PTD (TYC) - PROV |  |                     |  | <b>MJC:</b> EXSYR202   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                     |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                   |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 270     |  | <b>ManDays:</b> 30       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                             |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                         | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                              |
| BASELINE       | (R-86431-004)SERVICES TO UPDATE SHIP'S<br>SELECTED RECORDS ARE REQUIRED DURING THE<br>AVAILABILITY. | PROVIDE PROVISIONING TECHNICAL DOCUMENTATION FOR ALL<br>CONTRACTOR FURNISHED HULL, MECHANICAL AND<br>ELECTRICAL/ELECTRONIC COMPONENTS OR EQUIPMENT. NOTE:<br>FOR PRIVATE SECTOR AVAILABILITIES, THIS TASK IS ONLY<br>APPLICABLE WHEN NAVSEA CATEGORY 1 STANDARD ITEM 009-19 IS<br>NOT INVOKED AS PART OF THE SOLICITATION. (TYCOM FUNDED) |



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| Task/Abbreviation: R-86431-005- -PTD (NSSC) - PROV |              |                 | MJC: EXSYR016  |                   | Rev Date: 6/9/2009 |
| RCM Analysis:                                      | Scheduled: N | Sit Reqs:       | Qty: 001       | Removal Required: |                    |
| Lvl of Maint: 1                                    | Freq: 0      | Equip/Task: 001 | Matl Cost: 116 | ManDays: 30       | Alt No:            |
| Referenced Authority:                              |              | Repair Pool:    | MCC: 2         |                   |                    |

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| Reason:  | Problem Description:                                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (R-86431-005)SERVICES TO UPDATE SHIP'S<br>SELECTED RECORDS ARE REQUIRED DURING THE<br>AVAILABILITY. | PROVIDE PROVISIONING TECHNICAL DOCUMENTATION FOR ALL<br>CONTRACTOR FURNISHED HULL, MECHANICAL AND<br>ELECTRICAL/ELECTRONIC COMPONENTS OR EQUIPMENT. NOTE:<br>FOR PRIVATE SECTOR AVAILABILITIES, THIS TASK IS ONLY<br>APPLICABLE WHEN NAVSEA CATEGORY 1 STANDARD ITEM 009-19 IS<br>NOT INVOKED AS PART OF THE SOLICITATION. (NAVSEA FUNDED) |

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| <b>Task/Abbreviation:</b> R-86432-001- -SHIP'S COSAL - UPDATE |  |                     |  | <b>MJC:</b> EXSYR039   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                          |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                        |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 462     |  | <b>ManDays:</b> 14       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                  |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                              | <b>Recommended Solution:</b>                                                                                                                                                                                               |
| BASELINE       | (R-86432-001)SERVICES TO SUPPORT UPDATE OF THE SHIP'S COSAL IS REQUIRED. | FURNISH TECHNICAL, ENGINEERING AND CLERICAL SERVICES TO PREPARE CHANGES FOR HULL, MECHANICAL, ELECTRICAL, ORDNANCE AND ELECTRONICS SEGMENTS OF THE SHIP'S COSAL IN ACCORDANCE WITH FMP MANUAL SL720-AA-MAN-010, SECTION B. |

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**Task/Abbreviation:** R-86441-002- -GENERAL HOUSEKEEPING SVCE-PROV**MJC:** EXSYR374**Rev Date:** 12/10/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 350**ManDays:** 40**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 1**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86441-002)PROTECTION OF THE SHIP FROM CONTAMINATION AND MAINTAINING CLEANLINESS (GENERAL HOUSEKEEPING) IS REQUIRED DURING THE AVAILABILITY.

PROVIDE GENERAL HOUSEKEEPING DURING THE AVAILABILITY. PROVIDE PERSONNEL FOR GENERAL CLEANUP OF SPACES WHERE REPAIRS ARE IN PROGRESS ON A DAILY BASIS IAW DOD FAR CLAUSE 52.217-7104 AND AS FOLLOWS: KEEP THE WORK SITE ON THE VESSEL FREE FROM THE ACCUMULATION OF WASTE MATERIAL OR RUBBISH CAUSED BY CONTRACTOR EMPLOYEES OR BY THE WORK SPECIFIED BY INDIVIDUAL WORK ITEMS; AT WORK COMPLETION, REMOVE ALL RUBBISH FROM AND ABOUT THE WORK SITE; LEAVE THE WORK AREA VICINITY "BROOM CLEAN". NOTE: COLLECTIVELY ACCOUNT FOR GENERAL CLEANUP IN LIEU OF CHARGING AGAINST INDIVIDUAL WORK ITEMS.

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**Task/Abbreviation:** R-86442-001- -GAS-FREE&BILGE CLNG SVCE -PROV**MJC:** EXSYR103**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 36,841**ManDays:** 659**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86442-001)GAS-FREE SERVICES, BILGE  
CLEANING SERVICES AND  
OFF-LOADING/ON-LOADING OF PETROLEUM  
PRODUCTS REQUIRED DURING THE AVLBL

ACCOMPLISH THE REQUIREMENTS OF SWT 992-31 TO OPEN, VENTILATE, EMPTY, CLEAN, RENDER DRY AND MAINTAIN "SAFE FOR WORKERS" AND/OR "SAFE FOR HOT WORK" ANY TANK OR SPACE WHERE THE SCOPE OF REPAIRS WILL RESULT IN A NEED FOR CERTIFICATION DURING THE AVAILABILITY. INCLUDE ADJACENT TANKS, SPACES, AND/OR PIPING SYSTEMS. PUMP TANKS CONTAINING PETROLEUM PRODUCTS TO LOW SUCTION THROUGH A FLOW METER AND PROVIDE AN INVENTORY. INVENTORY TO INCLUDE CHEMICAL ANALYSIS FOR JP-5 AND DISTILLATE FUEL. JP-5 AND DISTILLATE FUEL TO BE STORED OR TRANSPORTED TO THE NEAREST NAVAL FUEL DEPOT. OFF-LOAD AND STORE LUBE OIL AND HYDRAULIC OIL. ON-LOAD PETROLEUM PRODUCTS WHEN DIRECTED. CLEAN ALL BILGES PRIOR TO INITIAL CERTIFICATION AND MAINTAIN EACH CLEAN AND DRY FOR THE DURATION OF THE AVAILABILITY. REMOVE, MEASURE, AND DISPOSE OF ADDITIONAL BILGE LIQUIDS GENERATED BY THE NAVY AFTER INITIAL CERTIFICATION. PRIOR TO SPACE TURNOVER, ACCOMPLISH A FINAL DETERGENT CLEANING OF EACH BILGE. ACCOMPLISH REPAIRS TO MANHOLES AND COVERS. INSPECT EACH TANK PRIOR TO FINAL CLOSE AND PROVIDE A REPORT.

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**Task/Abbreviation:** R-86442-001- -GAS-FREE&BILGE CLNG SVCE -PROV**MJC:** EXSYR103**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 36,841**ManDays:** 659**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

MARMC

(R-86442-001)SPACES REQUIRED TO BE CLEANED,  
CERTIFIED AND MAINTAINED GAS FREE

ACCOMPLISH THE REQUIREMENTS OF SWT 992-31 TO OPEN, VENTILATE, EMPTY, CLEAN, AND MAINTAIN "SAFE FOR WORKERS" AND/OR "SAFE FOR HOT WORK" ANY TANK OR SPACE WHERE THE SCOPE OF REPAIRS WILL RESULT IN A NEED FOR CERTIFICATION. INCLUDE ADJACENT TANKS, SPACES, AND/OR PIPING SYSTEMS. PUMP TANKS CONTAINING PETROLEUM PRODUCTS TO LOW SUCTION THROUGH A FLOW METER AND PROVIDE AN INVENTORY. INVENTORY TO INCLUDE CHEMICAL ANALYSIS FOR JP-5 AND DISTILLATE FUEL. JP-5 AND DISTILLATE FUEL TO BE STORED OR TRANSPORTED TO THE NEAREST NAVAL FUEL DEPOT. OFF-LOAD AND STORE LUBE OIL AND HYDRAULIC OIL. ON-LOAD PETROLEUM PRODUCTS WHEN DIRECTED. CLEAN ALL BILGES PRIOR TO INITIAL CERTIFICATION AND MAINTAIN EACH CLEAN AND DRY FOR THE DURATION OF THE AVAILABILITY. REMOVE, MEASURE, AND DISPOSE OF ADDITIONAL BILGE LIQUIDS GENERATED BY THE NAVY AFTER INITIAL CERTIFICATION. PRIOR TO SPACE TURNOVER, ACCOMPLISH A FINAL DETERGENT CLEANING OF EACH BILGE. ACCOMPLISH REPAIRS TO MANHOLES AND COVERS. INSPECT EACH TANK PRIOR TO FINAL CLOSE AND PROVIDE A REPORT. NOTE:QUANTITIES TO BE SPECIFIED AT WPIC.

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| Task/Abbreviation: R-86442-002- -T & V ASSESS TEAM SPRT - PROV |              |               | MJC: EXSYR160  |                   | Rev Date: 6/9/2009 |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:     | Qty: 1         | Removal Required: |                    |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 1 | Matl Cost: 800 | ManDays: 28       | Alt No:            |
| Referenced Authority:                                          |              | Repair Pool:  | MCC: 1         |                   |                    |

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| Reason:  | Problem Description:                                                                                                                                                         | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BASELINE | (R-86442-002)COMSURFOR REQUIRES TANK AND VOID ASSESSMENTS BE CONDUCTED BY SUPSHIP WHEN TANKS AND VOIDS ARE OPENED AS PART OF OTHER WORK ITEMS DURING THE DEPOT AVAILABILITY. | PROVIDE COMSURFOR TANK & VOID (T & V) ASSESSMENT TEAM SUPPORT AS FOLLOWS: (A) WITHIN 15 DAYS AFTER CONTRACT AWARD, PROVIDE A LIST OF ALL TANKS, VOIDS, COFFERDAMS AND CONFINED SPACES BEING OPENED AND CERTIFIED BY THE CONTRACTOR/NAVAL SHIPYARD AS PART OF OTHER WORK ITEMS IN THE JOB ORDER. (B) PROVIDE AN UPDATED LIST AS CHANGES OCCUR. (C) NOTIFY THE SUPERVISOR AT LEAST 72 HOURS PRIOR TO ACCOMPLISHING FINAL INSPECTION OF EACH SPACE PRIOR TO FINAL CLOSING. NOTE: USE SWT 992-50 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation:    |  | R-86442-005- -CLEANING AND PUMPING - ACCOMP |  | MJC: EXSYR364   |  | Rev Date: 10/15/2009 |  |                   |  |         |  |
| RCM Analysis:         |  | Scheduled: N                                |  | Sit Reqs:       |  | Qty: 001             |  | Removal Required: |  |         |  |
| Lvl of Maint: 1       |  | Freq: 0                                     |  | Equip/Task: 001 |  | Matl Cost: 24,560    |  | ManDays: 439      |  | Alt No: |  |
| Referenced Authority: |  |                                             |  | Repair Pool:    |  |                      |  | MCC: 2            |  |         |  |

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| Reason:  | Problem Description:                                                                  | Recommended Solution:                                                                                        |
| BASELINE | (R-86442-005)CLEANING AND PUMPING SERVICES REQUIRED TO MAINTAIN SPACES AND TANKS DRY. | OPEN, VENTILATE, CLEAN AND MAINTAIN DRY ANY SPACES, TANKS OR PIPING SYSTEMS THAT WILL REQUIRE CERTIFICATION. |

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| Task/Abbreviation:    |  | R-86442-006- -CLEANING & PUMPING (DD)-ACCOMP |  | MJC: EXSYR365   |  | Rev Date: 6/12/2009 |  |                   |  |         |  |
| RCM Analysis:         |  | Scheduled: N                                 |  | Sit Reqs:       |  | Qty: 001            |  | Removal Required: |  |         |  |
| Lvl of Maint: 1       |  | Freq: 0                                      |  | Equip/Task: 001 |  | Matl Cost: 10,325   |  | ManDays: 336      |  | Alt No: |  |
| Referenced Authority: |  | Repair Pool:                                 |  | MCC: 2          |  |                     |  |                   |  |         |  |

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| Reason:  | Problem Description:                                                                                          | Recommended Solution:                                                                                                                                                                                                                                                                      |
| BASELINE | (R-86442-006)LIQUID TANKS SCHEDULED FOR INSPECTION/PRESERVATION AND REPAIRS ARE REQUIRED TO BE CLEAN AND DRY. | REQUEST CONTRACTOR OPEN, CLEAN AND PUMP DRY ALL LIQUID TANKS SCHEDULED FOR INSPECTION/PRESERVATION OR REPAIRS. ALL TANKS SHOULD BE AT LOW SUCTION EXCEPT THOSE TANKS REQUIRED TO PROVIDE FOR CORRECT DRAFT COMING INTO THE DRY DOCK, FUEL OIL SERVICE TANKS AND ONE FUEL OIL STORAGE TANK. |



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| <b>Task/Abbreviation:</b> R-86451-001- -EQPT PM - ACCOMP |  |                     |  | <b>MJC:</b> EXSYR282   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                     |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                   |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 10,000  |  | <b>ManDays:</b> 150      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                             |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                             | <b>Recommended Solution:</b>                                                                                            |
| BASELINE       | (R-86451-001)SERVICES TO PREVENT<br>DETERIORATION OF EQUIPMENT DURING THE<br>AVAILABILITY ARE REQUIRED. | ACCOMPLISH PREVENTIVE MAINTENANCE AS REQUIRED TO<br>ENSURE THAT DETERIORATION OF EQUIPMENT CONDITION DOES<br>NOT OCCUR. |

**Task/Abbreviation:** R-86461-001- -FACIL FOR GOVT REPS - PROV**MJC:** EXSYR086**Rev Date:** 6/9/2009**RCM Analysis:** **Scheduled:** N **Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 7,117**ManDays:** 36**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:**

MARMC

(R-86461-001)NAVY/RMC (NSA) OFFICE SPACE  
REQUIRED DURING THE CNO AVAILABILITY.**Recommended Solution:**

USING SMWG STANDARD WORK TEMPLATE (SWT) 992-30 FOR GUIDANCE, PROVIDE A NAVY OFFICE/TRAILER AND FURNISHINGS IN LIKE NEW CONDITION. OFFICE SPACE IS REQUIRED FROM FOURTEEN DAYS PRIOR TO AVAILABILITY START TO THIRTY DAYS AFTER AVAILABILITY COMPLETION. FOR IN-PLANT AVAILABILITIES THE OFFICE SPACE SHALL BE WITHIN 1/4 MILE OF THE SHIP AND FOR DOWNRIVER AVAILABILITIES IT SHALL BE AS DESIGNATED BY THE NSA. OFFICE SPACE TO INCLUDE PARKING SPACES, WORK STATIONS, FILE CABINETS, BOOKCASES, AND DRINKING FOUNTAIN. PROVIDE A COPIER, FAX MACHINE, AND A COMPUTER NETWORK INFRASTRUCTURE FOR CONNECTION TO THE METROPOLITAN AREA NETWORK (MAN). PROVIDE LIGHTING, HEATING, AIR CONDITIONING, AND ELECTRICAL POWER. PROVIDE APPROPRIATE SANITARY FACILITIES. CLEAN OFFICE SPACE AND SANITARY FACILITIES ON A DAILY BASIS. FOR DOWNRIVER AVAILABILITIES, PROVIDE, INSTALL, CONNECT, AND MAINTAIN ALL TEMPORARY LINES AND CABLES. REIMBURSE THE NAVAL BASE FOR GOVT PROVIDED POWER, WATER, AND TELEPHONE SERVICE.

**Reason:****Problem Description:**

BASELINE

(R-86461-001)OFFICE FACILITIES FOR USE BY  
GOVERNMENT REPRESENTATIVES ARE REQUIRED  
DURING THE AVAILABILITY.**Recommended Solution:**

PROVIDE OFFICE FACILITIES AND PARKING SPACES FOR \_\_\_\_ ( ) GOVERNMENT REPRESENTATIVES. OFFICE FACILITIES TO INCLUDE DESKS, TELEPHONES, FILE CABINET(S) AND REPRODUCING SERVICES. A. RMC; B. PLANNING YARD; C. TYCOM/CLASSRON; D. NSWC PHD; E. NSWC CD; F. CDM; G. OTHER. NOTE 1: TO PROVIDE OFFICE FACILITIES AND PARKING FOR ALTERATION INSTALLATION TEAM (AIT), USE APPLICABLE PORTIONS OF SWT 980-01 FOR GUIDANCE IN DEVELOPING SPEC. NOTE 2: TO PROVIDE OFFICE FACILITIES (WITH COMPUTERS) AND PARKING FOR RMC, USE SWT 992-29 FOR GUIDANCE IN DEVELOPING SPEC. NOTE 3: TO PROVIDE OFFICE FACILITIES (WITHOUT COMPUTERS) AND PARKING FOR RMC, USE SWT 992-30 FOR GUIDANCE IN DEVELOPING SPEC.

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|----------------------------------------------------------|---------|-----------------|------------------|-------------|--------------------|-------------------|
| Task/Abbreviation: R-86491-001- -TEMP DK COVERING - PROV |         |                 | MJC: EXSYR085    |             | Rev Date: 6/9/2009 |                   |
| RCM Analysis:                                            |         | Scheduled: N    | Sit Reqs:        |             | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                          | Freq: 0 | Equip/Task: 001 | Matl Cost: 5,934 | ManDays: 69 | Alt No:            |                   |
| Referenced Authority:                                    |         | Repair Pool:    |                  | MCC: 2      |                    |                   |

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| Reason:  | Problem Description:                                                                                            | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                    |
| BASELINE | (R-86491-001)SERVICES TO PROVIDE AND MAINTAIN TEMPORARY DECK COVERING THROUGHOUT THE AVAILABILITY ARE REQUIRED. | INSTALL AND MAINTAIN, AS AUTHORIZED, TEMPORARY PROTECTIVE DECK COVERING IN HIGH TRAFFIC INTERIOR AREAS OF THE SHIP INCLUDING PASSAGEWAYS AND WARDROOM/MESSING AREAS THROUGHOUT THE ENTIRE AVAILABILITY. UPON COMPLETION OF THE AVAILABILITY REMOVE AND DISPOSE OF THE TEMPORARY PROTECTIVE DECK COVERING AND TAPE. NOTE: USE SWT 993-02 FOR GUIDANCE IN DEVELOPING SPEC. |

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|--------------------------------------------------------------|--------------|-----------------|--------------------|-------------------|---------|
| Task/Abbreviation: R-86491-002- -OIL CONTAINMENT BOOM - PROV |              | MJC: EXSYR265   | Rev Date: 6/9/2009 |                   |         |
| RCM Analysis:                                                | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                              | Freq: 0      | Equip/Task: 001 | Matl Cost: 23,171  | ManDays: 51       | Alt No: |
| Referenced Authority:                                        | Repair Pool: | MCC: 2          |                    |                   |         |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                               |
| BASELINE | (R-86491-002)INSTALLATION OF A CONTAINMENT BOOM IS REQUIRED DURING THE AVAILABILITY. | INSTALL OIL SPILLAGE, SAND BLASTING DEBRIS AND PAINT CONTAINMENT BOOM AROUND THE ENTIRE PERIMETER OF THE SHIP DURING PERIOD SHIP IS AFLOAT AND AROUND OIL BARGE(S) AND/OR TANKER THROUGH PERIODS OF DEFUELING AND FUELING WHILE SHIP IS IN CONFINES OF REPAIR FACILITY. INSTALL CONTAINMENT BOOM AROUND BERTHING BARGE, WHEN UTILIZED. NOTE: USE APPLICABLE PORTIONS OF SWT 992-02 FOR GUIDANCE IN DEVELOPING SPEC. |

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**Task/Abbreviation:** R-86491-004- -MN RDCN GR DEHUMIDIFIER - PROV**MJC:** EXSYR279**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 4,968**ManDays:** 95**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 2**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86491-004)TEMPORARY DEHUMIDIFICATION OF THE MAIN REDUCTION GEAR(S) IS REQUIRED DURING THE AVAILABILITY.

PROVIDE TEMPORARY DEHUMIDIFIER(S) FOR MAIN REDUCTION GEAR(S) AS FOLLOWS: A. PROVIDE, INSTALL AND MAINTAIN A TEMPORARY DEHUMIDIFICATION SYSTEM ON THE REDUCTION GEAR(S) DURING ITS ENTIRE IDLE PERIOD. B. INSTALL DESICCANT TYPE DEHUMIDIFIER AS SOON AS THE GEAR LUBE OIL SYSTEM IS SECURED. HUMID AIR INLET SHALL BE ATTACHED AT TOP OF GEAR CASE AND DRY AIR OUTLET DELIVERED AT A GEAR CASE LOW POINT WHERE CIRCULATION WILL NOT BE IMPEDED. C. SILICA GEL CONTAINERS SHALL BE INSPECTED FOR OIL CONTAMINATION PERIODICALLY AND REPLACED AS NECESSARY. D. IN CONJUNCTION WITH SHIP'S FORCE, INSPECT GEAR CASE AND ROTATING ELEMENTS EVERY TWO WEEKS FOR THE PRESENCE OF RUST AND THE CONDITION OF THE OIL FILM. SHIPYARD SHALL WET INTERNAL SURFACES WITH OIL SPRAY AS NECESSARY AND MAINTAIN A RECORD OF INSPECTION. E. DEHUMIDIFICATION SHALL BE IN EFFECT AT ALL TIMES EXCEPT WHEN LUBE OIL SYSTEM IS IN OPERATION.

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| <b>Task/Abbreviation:</b> R-86491-005- -DRY AIR LAYUP - PROV |  |                     |  | <b>MJC:</b> EXSYR107   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                         |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                       |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 3,099   |  | <b>ManDays:</b> 19       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                 |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                 | <b>Recommended Solution:</b>                                                                     |
| BASELINE       | (R-86491-005)DRY AIR LAY-UP OF PRESSURIZED WAVE GUIDES IS REQUIRED DURING THE AVAILABILITY. | PROVIDE DRY AIR LAY-UP FOR ALL PRESSURIZED WAVE GUIDES AND MAINTAIN THROUGHOUT THE AVAILABILITY. |

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| <b>Task/Abbreviation:</b> R-86511-001- -STAGING FOR SY WORK - PROV |  |                     |  | <b>MJC:</b> EXSYR254   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                               |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                             |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 7,511   |  | <b>ManDays:</b> 134      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                       |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                            | <b>Recommended Solution:</b>                                                                                                                                        |
| BASELINE       | (R-86511-001)STAGING IS REQUIRED TO SUPPORT SHIPYARD WORK ON THE MAST. | PROVIDE SERVICES FOR INSTALLING, MAINTAINING AND REMOVING STAGING AND SCAFFOLDING FOR WORK PERFORMED BY THE SHIPYARD ON THE MAST, INCLUDING PLATFORMS AND YARDARMS. |

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| Task/Abbreviation: R-86512-001- -STAGING FOR SF WORK - PROV |  |              |  | MJC: EXSYR284   |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                               |  | Scheduled: N |  | Sit Reqs:       |  | Qty: 001           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                             |  | Freq: 0      |  | Equip/Task: 001 |  | Matl Cost: 10,375  |  | ManDays: 115      |  | Alt No: |  |
| Referenced Authority:                                       |  |              |  | Repair Pool:    |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                       | Recommended Solution:                                                                                                                                                                                                                                                  |
| BASELINE | (R-86512-001)STAGING IS REQUIRED TO SUPPORT SHIP'S FORCE WORK ON THE MAST, SUPERSTRUCTURE AND OTHER AREAS. | PROVIDE SERVICES FOR INSTALLING, MAINTAINING AND REMOVING STAGING AND SCAFFOLDING FOR WORK PERFORMED BY SHIP'S FORCE ON THE MAST, INCLUDING PLATFORMS AND YARDARMS, SUPERSTRUCTURE AND OTHER AREAS, AS REQUIRED. NOTE: USE SWT 991-01 FOR GUIDANCE IN DEVELOPING SPEC. |



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| <b>Task/Abbreviation:</b> R-86521-001- -SY CRANE/RIGGING SVCE - PROV |  |                     |  | <b>MJC:</b> EXSYR277   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                 |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                               |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b>         |  | <b>ManDays:</b> 319      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                         |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 4            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                            | <b>Recommended Solution:</b>                                                                               |
| BASELINE       | (R-86521-001)CRANE AND RIGGING SERVICES ARE REQUIRED TO SUPPORT SHIPYARD WORK DURING THE AVAILABILITY. | PROVIDE CRANE, RIGGING, FORKLIFT AND EQUIPMENT TRANSPORT SERVICES AS REQUIRED IN SUPPORT OF SHIPYARD WORK. |

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| Task/Abbreviation: R-86521-002-A-SF CRANE/RIGGING SVCE - PROV |  |              |  | MJC: EXSYR105   |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                                 |  | Scheduled: N |  | Sit Reqs:       |  | Qty: 001           |  | Removal Required: |  |         |  |
| Lvl of Maint: 1                                               |  | Freq: 0      |  | Equip/Task: 001 |  | Matl Cost: 679     |  | ManDays: 65       |  | Alt No: |  |
| Referenced Authority:                                         |  |              |  | Repair Pool:    |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                                                  | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BASELINE | (R-86521-002)CRANE , RIGGING, FORKLIFT AND TRANSPORTATION SERVICES ARE REQUIRED TO SUPPORT SHIP'S FORCE WORK DURING THE AVAILABILITY. | PROVIDE CRANE, RIGGING, FORKLIFT AND TRANSPORTATION SERVICES IN SUPPORT OF SHIP'S FORCE WORK AND TO LOAD/UNLOAD SHIP'S FORCE MATERIAL, EQUIPMENT AND SUPPLIES THROUGHOUT THE AVAILABILITY AUTHORIZED AS FOLLOWS: A. CRANE SERVICE (WITH OPERATOR AND RIGGERS) ON A DAILY BASIS, FIVE (5) DAYS EACH WEEK, FOR A TOTAL OF ____ LIFTS. B. FORKLIFT SERVICE (WITH OPERATOR) ON A DAILY BASIS, FIVE (5) DAYS EACH WEEK, FOR A TOTAL OF ____ LIFTS. C. TRANSPORTATION SERVICE (WITH OPERATOR) TO AND FROM THE SHIP AND STORAGE SITE FOR SHIP'S FORCE ITEMS FOR A TOTAL OF ____ ROUND TRIPS. NOTE: USE SWT 993-21 FOR GUIDANCE IN DEVELOPING SPEC. |

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| Task/Abbreviation: R-86521-004- -SF CRANE/RIGGING SVCE - PROV |              | MJC: EXSYR381   | Rev Date: 10/14/2010 |                   |         |
| RCM Analysis:                                                 | Scheduled: N | Sit Reqs:       | Qty: 001             | Removal Required: |         |
| Lvl of Maint: 1                                               | Freq: 0      | Equip/Task: 001 | Matl Cost: 3,000     | ManDays: 4        | Alt No: |
| Referenced Authority:                                         | Repair Pool: | MCC: 3          |                      |                   |         |

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| Reason:  | Problem Description:                                                                                    | Recommended Solution:                                                                                                                                                                                                                                                                    |
| BASELINE | (R-86521-004)JLG AND OPERATOR SERVICES ARE REQUIRED TO SUPPORT ABS SURVEY TEAM DURING THE AVAILABILITY. | PROVIDE JLG AND OPERATOR FOR ABS SURVEY OF UNDERWATER HULL AND OVERHEAD AREAS IAW WORK SPECIFICATION 992-11. ABS TEAM SHALL NOTIFY THE MAINTENANCE TEAM (MT) 72 HOURS PRIOR TO USE OF THE JLG AND OPERATOR. ABS SURVEY TEAM WILL NOTIFY MT WHEN JLG AND OPERATOR ARE NO LONGER REQUIRED. |

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**Task/Abbreviation:** R-86571-001- -SY FIRE WATCHES - PROV**MJC:** EXSYR270**Rev Date:** 6/9/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:****ManDays:** 100**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 4**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86571-001)A FIRE WATCH IS REQUIRED DURING HOT WORK.

SHIPYARD TO PROVIDE FIRE WATCHES IN THE IMMEDIATE VICINITY OF HOT WORK PERFORMED BY THE SHIPYARD. EACH FIRE WATCH SHALL HAVE A FULLY CHARGED AND OPERABLE FIRE EXTINGUISHER IN HIS POSSESSION. NOTE: THIS ITEM IS ONLY REQUIRED IF FIRE WATCHES ARE PROVIDED BY THE SHIPYARD INSTEAD OF SHIP'S FORCE WHEN NAVSEA STANDARD ITEM 009-07 IS INVOKED. (NEGOTIATED AT WPIC OR APPROXIMATELY A-6 MONTHS).

**Reason:****Problem Description:****Recommended Solution:**

MARMC

(R-86571-001)CONTRACTOR PROVIDED FIREWATCHES REQUIRED TO SUPPORT HOT WORK FOR TYCOM FUNDED REPAIRS AND ALTERATIONS DURING THE CNO AVAILABILITY.

PROVIDE CONTRACTOR FURNISHED, TRAINED, AND EQUIPPED FIREWATCHES IN ACCORDANCE WITH THE REQUIREMENTS OF NAVSEA CAT I STANDARD ITEM 009-07. FIREWATCHES, OTHER THAN THE HOT WORK OPERATOR, TO BE PROVIDED AT ALL AFFECTED AREAS WHEN HOT WORK IS BEING ACCOMPLISHED. FIREWATCHES SHALL BE EQUIPPED WITH A FULLY-CHARGED AND OPERABLE FIRE EXTINGUISHER; AND SHALL REMAIN AT THE JOB SITE FOR 30 MINUTES AFTER THE HOT WORK IS COMPLETED UNLESS THE HOT WORK SUPERVISOR SURVEYS THE AFFECTED AREA AND DETERMINES THAT THERE IS NO FURTHER FIRE HAZARD. WHEN HOT WORK IS PERFORMED ON A BULKHEAD OR DECK, A FIREWATCH IS REQUIRED ON THE OPPOSITE SIDE OF THE BULKHEAD, OVERHEAD, OR DECK AS WELL AS AT THE LOCATION OF THE HOTWORK.

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| Task/Abbreviation: R-86571-002- -SF FIRE WATCHES - PROV |  |              |  | MJC: EXSYR095   |  | Rev Date: 6/9/2009 |  |                   |  |         |  |
| RCM Analysis:                                           |  | Scheduled: N |  | Sit Reqs:       |  | Qty: 001           |  | Removal Required: |  |         |  |
| Lvl of Maint: 4                                         |  | Freq: 0      |  | Equip/Task: 001 |  | Matl Cost:         |  | ManDays:          |  | Alt No: |  |
| Referenced Authority:                                   |  |              |  | Repair Pool:    |  |                    |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                   |
| BASELINE | (R-86571-002)A FIRE WATCH IS REQUIRED DURING HOT WORK. | SF TO PROVIDE FIRE WATCHES IN THE IMMEDIATE VICINITY OF HOT WORK PERFORMED BY THE SHIPYARD. EACH FIRE WATCH SHALL HAVE A FULLY CHARGED AND OPERABLE FIRE EXTINGUISHER IN HIS POSSESSION. NOTE: THIS ITEM IS REQUIRED IF FIRE WATCHES ARE PROVIDED BY SHIP'S FORCE AND, FOR PRIVATE SECTOR AVAILABILITIES, WHEN NAVSEA STANDARD ITEM 009-35 IS INVOKED. (NEGOTIATED AT WPIC OR APPROXIMATELY A-6 MONTHS) |

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| <b>Task/Abbreviation:</b> R-86591-001- -HAZ WSTE HDLG - ACCOMP |  |                     |  | <b>MJC:</b> EXSYR256   |  | <b>Rev Date:</b> 6/9/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                           |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001           |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                         |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 29,434  |  | <b>ManDays:</b> 66       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                   |  |                     |  | <b>Repair Pool:</b>    |  |                           |  | <b>MCC:</b> 4            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                              | <b>Recommended Solution:</b>                                                                                                                                                             |
| BASELINE       | (R-86591-001)SERVICES FOR HANDLING AND DISPOSAL OF HAZARDOUS WASTE DURING THE AVAILABILITY ARE REQUIRED. | REMOVE, HANDLE, STORE, TRANSPORT AND DISPOSE OF HAZARDOUS WASTE PRODUCED BY GOVERNMENT AND CONTRACTOR PERSONNEL IN ACCORDANCE WITH NAVSEA STANDARD WORK TEMPLATE (SWT) 077-01 OR 077-02. |

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| Task/Abbreviation: R-86591-004- -INDUSTRIAL HYGIENIST SVCE-PROV |              | MJC: EXSYR137   | Rev Date: 6/9/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 100     | ManDays: 5        | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 2          |                    |                   |         |

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| Reason:  | Problem Description:                                                                 | Recommended Solution:                                                                                                                                                                                                 |
| BASELINE | (R-86591-004)SERVICE OF AN INDUSTRIAL HYGIENIST DURING THE AVAILABILITY IS REQUIRED. | INDUSTRIAL HYGIENIST - PROVIDE THE SERVICES OF AN INDUSTRIAL HYGIENIST AS REQUIRED DURING THE AVAILABILITY TO DETERMINE THE CONTENT OF PAINT AND OTHER MATERIAL SAMPLES, INCLUDING SAMPLES SUBMITTED BY SHIP'S FORCE. |

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| <b>Task/Abbreviation:</b> R-86591-005- -042-37 NAVBASE WK REQT- ACCOMP |                     |                        | <b>MJC:</b> EXSYR331    |                          | <b>Rev Date:</b> 6/9/2009 |
| <b>RCM Analysis:</b>                                                   | <b>Scheduled:</b> N | <b>Sit Reqs:</b>       | <b>Qty:</b> 001         | <b>Removal Required:</b> |                           |
| <b>Lvl of Maint:</b> 1                                                 | <b>Freq:</b> 0      | <b>Equip/Task:</b> 001 | <b>Matl Cost:</b> 2,000 | <b>ManDays:</b> 50       | <b>Alt No:</b>            |
| <b>Referenced Authority:</b>                                           | <b>Repair Pool:</b> | <b>MCC:</b> 4          |                         |                          |                           |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                                                            | <b>Recommended Solution:</b>                                                                                                                                          |
| BASELINE       | (R-86591-005)ENVIRONMENTAL MANAGEMENT PROCEDURE REQUIRED FOR WORK WITHIN NAVAL STATION NORFOLK AND NAVAL AMPHIBIOUS BASE LITTLE CREEK. | ACCOMPLISH THE REQUIREMENTS OF NSSA LOCAL WORK TEMPLATE (LWT) 042-37 FOR WORK TO BE ACCOMPLISHED WITHIN NAVAL STATION NORFOLK AND NAVAL AMPHIBIOUS BASE LITTLE CREEK. |



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| Task/Abbreviation: R-86591-007- -LWT 042-32 HVY MET CTG- ACCOMP |         |                 | MJC: EXSYR366    |             | Rev Date: 10/22/2009 |                   |
| RCM Analysis:                                                   |         | Scheduled: N    | Sit Reqs:        |             | Qty: 001             | Removal Required: |
| Lvl of Maint: 1                                                 | Freq: 0 | Equip/Task: 001 | Matl Cost: 2,430 | ManDays: 28 | Alt No:              |                   |
| Referenced Authority:                                           |         | Repair Pool:    | MCC: 4           |             |                      |                   |

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| Reason:  | Problem Description:                                                                                                                                | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| BASELINE | (R-86591-007)LEVEL OF EFFORT FOR REMOVAL AND DISPOSAL OF MARINE COATINGS CONTAINING HEAVY METALS MATERIALS REQUIRED DURING INDUSTRIAL AVAILABILITY. | ACCOMPLISH THE REQUIREMENTS OF LOCAL WORK TEMPLATE (LWT) 042-32 TO REMOVE AND DISPOSE OF MARINE COATINGS CONTAINING HEAVY METALS MATERIALS (E.G. LEAD) DURING INDUSTRIAL AVAILABILITY. PROVIDE A MANDAY AND MATERIAL DOLLAR RESERVATION FOR ACCOMPLISHING PARAGRAPH 3.1 OF NAVSEA STD ITEM 009-03 FOR MARINE COATINGS NOT PREVIOUSLY IDENTIFIED AS CONTAINING HEAVY METALS BY ANOTHER WORK ITEM . RESERVATION AMOUNTS WILL BE AGREED TO BY THE PORT ENGINEER AND THE NSA NOT LATER THAN THE WPIC. |

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| Task/Abbreviation: R-86621-001- -QA SVCE (TYC) - PROV |         |                 | MJC: EXSYR075    |              | Rev Date: 6/9/2009 |                   |
| RCM Analysis:                                         |         | Scheduled: N    | Sit Reqs:        |              | Qty: 001           | Removal Required: |
| Lvl of Maint: 1                                       | Freq: 0 | Equip/Task: 001 | Matl Cost: 2,937 | ManDays: 202 | Alt No:            |                   |
| Referenced Authority:                                 |         | Repair Pool:    | MCC: 3           |              |                    |                   |

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| Reason:  | Problem Description:                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BASELINE | (R-86621-001)QUALITY ASSURANCE SERVICES ARE REQUIRED TO SUPPORT THE AVAILABILITY. | PROVIDE QUALITY ASSURANCE SERVICES TO SUPPORT THE ACCOMPLISHMENT OF ALL AUTHORIZED PRODUCTION WORK, TO INCLUDE: A. DEVELOP AND MAINTAIN A QUALITY ASSURANCE INSPECTION SYSTEM IAW NAVSEA STANDARD ITEM 009-04. B. DEVELOP TEST AND INSPECTION DOCUMENTATION IAW NAVSEA STANDARD ITEM 009-04. C. PREPARE AND SUBMIT REQUIRED QUALITY ASSURANCE REPORTS. D. NOTIFY THE NAVAL SUPERVISING ACTIVITY OF THE DATE AND TIME OF ALL QUALITY CHECK POINTS. E. ENSURE THE AVAILABILITY OF AND PROVIDE ALL REQUIRED CALIBRATED TEST AND INSPECTION EQUIPMENT. F. INSPECT INCOMING MATERIAL AS REQUIRED TO ENSURE COMPLIANCE WITH APPLICABLE SPECIFICATIONS. NOTE: THIS TASK IS ONLY APPLICABLE TO PUBLIC SECTOR AVAILABILITIES AND TO PRIVATE SECTOR AVAILABILITIES WHEN THESE REQUIREMENTS ARE NOT INVOKED BY NAVSEA CATEGORY 1 STANDARD ITEM 009-04 IN THE SOLICITATION. (TYCOM PORTION) |

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|--------------------------------------------------------|--------------|-----------------|----------------|-------------------|--------------------|
| Task/Abbreviation: R-86621-002- -QA SVCE (NSSC) - PROV |              |                 | MJC: EXSYR077  |                   | Rev Date: 6/9/2009 |
| RCM Analysis:                                          | Scheduled: N | Sit Reqs:       | Qty: 001       | Removal Required: |                    |
| Lvl of Maint: 1                                        | Freq: 0      | Equip/Task: 001 | Matl Cost: 881 | ManDays: 60       | Alt No:            |
| Referenced Authority:                                  |              | Repair Pool:    | MCC: 3         |                   |                    |

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| Reason:  | Problem Description:                                                              | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BASELINE | (R-86621-002)QUALITY ASSURANCE SERVICES ARE REQUIRED TO SUPPORT THE AVAILABILITY. | PROVIDE QUALITY ASSURANCE SERVICES TO SUPPORT THE ACCOMPLISHMENT OF ALL AUTHORIZED PRODUCTION WORK, TO INCLUDE: A. DEVELOP AND MAINTAIN A QUALITY ASSURANCE INSPECTION SYSTEM IAW NAVSEA STANDARD ITEM 009-04. B. DEVELOP TEST AND INSPECTION DOCUMENTATION IAW NAVSEA STANDARD ITEM 009-04. C. PREPARE AND SUBMIT REQUIRED QUALITY ASSURANCE REPORTS. D. NOTIFY THE NAVAL SUPERVISING ACTIVITY OF THE DATE AND TIME OF ALL QUALITY CHECK POINTS. E. ENSURE THE AVAILABILITY OF AND PROVIDE ALL REQUIRED CALIBRATED TEST AND INSPECTION EQUIPMENT. F. INSPECT INCOMING MATERIAL AS REQUIRED TO ENSURE COMPLIANCE WITH APPLICABLE SPECIFICATIONS. NOTE: THIS TASK IS ONLY APPLICABLE TO PUBLIC SECTOR AVAILABILITIES AND TO PRIVATE SECTOR AVAILABILITIES WHEN THESE REQUIREMENTS ARE NOT INVOKED BY NAVSEA CATEGORY 1 STANDARD ITEM 009-04 IN THE SOLICITATION. (NAVSEA PORTION) |

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**Task/Abbreviation:** R-86631-001- -LUBE AND HYDR OIL SAMPLES-TST**MJC:** EXSYR073**Rev Date:** 6/10/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 114**ManDays:** 23**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86631-001)TESTING OF LUBE OIL AND  
HYDRAULIC OIL SAMPLES IS REQUIRED.TEST/ANALYZE REPRESENTATIVE SAMPLES OF LUBE OIL AND  
HYDRAULIC OIL IN ACCORDANCE WITH CURRENT SECTION OF NSTM  
CHAPTER 9450 AS FOLLOWS: A. TEST LUBE OIL, AS APPLICABLE,  
FOR NEUTRALIZATION NUMBER, MODIFIED NEUTRALITY,  
PRECIPITATION NUMBER AND FUEL DILUTION. SHIP'S FORCE DRAW  
ONE (1) QUART SAMPLES FROM THE FOLLOWING EQUIPMENT AS  
APPLICABLE: MN TURBINE/REDUCTION GEAR, SPRING BRGS  
(SHAFT), SSTG'S, EMER/SHIP'S SERV DIESEL, MN DIESEL ENGINES,  
FDB'S, FOSP'S, FO TRANSFER PUMPS, MN CIRC PUMPS, MAIN FEED  
PUMPS, BALLAST PUMPS, AIR COMPRESSORS, REFRIGERATION  
COMPRESSORS AND LO STOWAGE TANKS. B. TEST HYDRAULIC OIL  
FROM THE FOLLOWING EQUIPMENT AS APPLICABLE TO DETERMINE  
CONFORMITY WITH THE SPECIFICATIONS PRESCRIBED FOR THE OIL  
THAT IS BEING USED: ANCHOR WINDLASS, STEERING GEAR, B&A  
CRANE, DECK WINCHES, STERN GATE AND WEAPONS SYSTEMS. C.  
SUBMIT REPORT OF ANALYSIS, INCLUDING STATEMENT OF  
SUITABILITY FOR CONTINUED USE.

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| Task/Abbreviation: R-86721-001- -RESERVATION FOR CS RPR - PROV |              | MJC: EXSYR219   | Rev Date: 6/10/2009 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:       | Qty: 001            | Removal Required: |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 001 | Matl Cost: 2,529    | ManDays: 24       | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 3          |                     |                   |         |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                          |
| BASELINE | (R-86721-001)REPAIR OF COMBAT SYSTEM TESTING DISCREPANCIES IS REQUIRED. | PROVIDE ___ MANDAYS OF TECHNICAL SERVICES AND \$___ OF MATERIAL TO CORRECT DEFECTS OR TO ACCOMPLISH GOVERNMENT-RESPONSIBLE REPAIRS DURING COMBAT SYSTEM TESTING. NOTE: TYCOM ESTABLISH AMOUNTS |

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| <b>Task/Abbreviation:</b> R-86721-002- -CS INTEGD TSTG (TYC) - ACCOMP |  |                     |  | <b>MJC:</b> EXSYR037   |  | <b>Rev Date:</b> 6/10/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                  |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 2,092    |  | <b>ManDays:</b> 140      |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                          |  |                     |  | <b>Repair Pool:</b>    |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                 | <b>Recommended Solution:</b>                                                                                                                                                                       |
| BASELINE       | (R-86721-002)COMBAT SYSTEMS INTEGRATED TESTING IS REQUIRED. | ACCOMPLISH COMBAT SYSTEMS INTEGRATED TESTING IN ACCORDANCE WITH NAVSEA COMBAT SYSTEMS TEST AND CERTIFICATION MANUAL (T9093-AB-TRQ-010/SURFCOMB) AND INTEGRATED TEST PLAN PROVIDED. (TYCOM PORTION) |

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| <b>Task/Abbreviation:</b> R-86721-003- -CS INTEGD TSTG (NSSC) - ACCOMP |  |                     |  | <b>MJC:</b> EXSYR221   |  | <b>Rev Date:</b> 6/10/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                   |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                                 |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 837      |  | <b>ManDays:</b> 56       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                           |  |                     |  | <b>Repair Pool:</b>    |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                 | <b>Recommended Solution:</b>                                                                                                                                                                      |
| BASELINE       | (R-86721-003)COMBAT SYSTEMS INTEGRATED TESTING IS REQUIRED. | ACCOMPLISH COMBAT SYSTEMS INTEGRATED TESTING IN ACCORDANCE WITH NAVSEA COMBAT SYSTEMS TEST AND CERTIFICATION MANUAL (T9093-AB-TRQ-010/SURFCOMB) AND INTEGRATED TEST PLAN PROVIDED. NAVSEA PORTION |

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**Task/Abbreviation:** R-86731-001- -TOTAL SHIP TSTG (TYC) - MANAGE**MJC:** EXSYR145**Rev Date:** 6/10/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 3,480**ManDays:** 675**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86731-001)TESTING MANAGEMENT SERVICES  
ARE REQUIRED TO SUPPORT THE AVAILABILITY.PROVIDE SERVICES TO MANAGE INTEGRATED TOTAL SHIP TESTING  
IAW NAVSEA STANDARD ITEM 009-67: A. PREPARE AND MANAGE AN  
INTEGRATED TOTAL SHIP TEST MANAGEMENT PLAN. (1) INCLUDE  
PROCEDURE FOR REPORTING PROBLEMS IN DELIVERY DATES OF  
CFM, GFM, GFE & GFI. B. DEVELOP AN INTEGRATED TOTAL SHIP  
TEST PLAN USING GFI FOR GUIDANCE. (1) INCLUDE SY TEST  
SEQUENCE NETWORK, TEST SCHEDULE & REQUIRED EXTERNAL  
SERVICES WITH GOVT & CONTRACTOR RESPONSIBILITIES DEFINED.  
(2) INCLUDE LIST OF TEST EQPT & SOFTWARE. (3) INCLUDE  
PROCEDURES FOR SUBMITTAL OF TEST PROBLEM REPORTS, TEST  
PROCEDURES, TEST FAILURE REPORTS & TEST STATUS. (4)  
DEFINE REQMTS OF BOTH CONTRACTOR & GOVT FOR GENERAL &  
SPECIAL PURPOSE TEST EQPT, WEAPON TEST SHAPES, DUMMY  
LOADS & TEST WEIGHTS. C. DEVELOP AND MANAGE A TOTAL SHIP  
TESTING TASK GROUP. D. MANAGE TOTAL SHIP TESTING. (1)  
ACCOMPLISH REQMTS OF THE TEST PLAN. (2) COORDINATE  
TESTING, PERFORMANCE OF EACH TEST PROCEDURE &  
PREPARATIONS FOR SEA TRIALS. (3) DEVELOP A TEST STATUS  
REPORT TO SUMMARIZE TEST RESULTS. NOTE: THIS TASK IS  
ONLY APPLICABLE TO PUBLIC SECTOR AVAILABILITIES. (TYCOM  
PORTION)



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**Task/Abbreviation:** R-86731-002- -TOTAL SHIP TSTG (NSSC) -MANAGE**MJC:** EXSYR297**Rev Date:** 6/10/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 1,392**ManDays:** 269**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86731-002)TESTING MANAGEMENT SERVICES  
ARE REQUIRED TO SUPPORT THE AVAILABILITY.

PROVIDE SERVICES TO MANAGE INTEGRATED TOTAL SHIP TESTING IAW NAVSEA STANDARD ITEM 009-67: A. PREPARE AND MANAGE AN INTEGRATED TOTAL SHIP TEST MANAGEMENT PLAN. (1) INCLUDE PROCEDURE FOR REPORTING PROBLEMS IN DELIVERY DATES OF CFM, GFM, GFE & GFI. B. DEVELOP AN INTEGRATED TOTAL SHIP TEST PLAN USING GFI FOR GUIDANCE. (1) INCLUDE SY TEST SEQUENCE NETWORK, TEST SCHEDULE & REQUIRED EXTERNAL SERVICES WITH GOVT & CONTRACTOR RESPONSIBILITIES DEFINED. (2) INCLUDE LIST OF TEST EQPT & SOFTWARE. (3) INCLUDE PROCEDURES FOR SUBMITTAL OF TEST PROBLEM REPORTS, TEST PROCEDURES, TEST FAILURE REPORTS & TEST STATUS. (4) DEFINE REQMTS OF BOTH CONTRACTOR & GOVT FOR GENERAL & SPECIAL PURPOSE TEST EQPT, WEAPON TEST SHAPES, DUMMY LOADS & TEST WEIGHTS. C. DEVELOP AND MANAGE A TOTAL SHIP TESTING TASK GROUP. D. MANAGE TOTAL SHIP TESTING. (1) ACCOMPLISH REQMTS OF THE TEST PLAN. (2) COORDINATE TESTING, PERFORMANCE OF EACH TEST PROCEDURE & PREPARATIONS FOR SEA TRIALS. (3) DEVELOP A TEST STATUS REPORT TO SUMMARIZE TEST RESULTS. NOTE: THIS TASK IS ONLY APPLICABLE TO PUBLIC SECTOR AVAILABILITIES. (NAVSEA PORTION)

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**Task/Abbreviation:** R-86731-003- -HM&E TSTG (TYC)-MANAGE/ACCOMP**MJC:** EXSYR298**Rev Date:** 6/10/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 870**ManDays:** 169**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86731-003)HM&E TESTING SERVICES ARE  
REQUIRED TO SUPPORT THE AVAILABILITY.PROVIDE HM&E TEST MANAGEMENT, COORDINATION AND  
ACCOMPLISHMENT AS FOLLOWS: A. PROVIDE THE SERVICES OF A  
HM&E TEST MANAGER TO MANAGE AND CONDUCT HM&E TESTING.  
THE HM&E TEST MANAGER WILL ALSO ASSIST SHIP'S CHIEF  
ENGINEER IN PREPARING FOR LOA/LOE INSPECTIONS, OTHER KEY  
EVENTS AND MILESTONES. B. DEVELOP A MANAGEMENT PLAN FOR  
ACCOMPLISHING PRODUCTION AND FINAL ACCEPTANCE TESTING.  
C. ACCOMPLISH SHIPYARD RESPONSIBLE HM&E TESTING THAT IS  
NOT ALREADY INCLUDED IN INDIVIDUAL WORK ITEMS. (1) PROVIDE  
CALIBRATED TEST EQUIPMENT, DOCUMENTATION AND TEMPORARY  
SERVICES REQUIRED TO SUPPORT TESTING. (2) ACCOMPLISH  
REPAIR, ALIGNMENT AND RETESTING RESULTING FROM  
CONTRACTOR RESPONSIBLE DEFECTS OR CASUALTIES  
DISCOVERED DURING HM&E INSPECTION/TESTING. (3) PROVIDE \_\_\_\_  
MANDAYS AND \_\_\_\_ DOLLARS OF MATERIAL TO CORRECT GOVT \_\_\_\_  
RESPONSIBLE DEFECTS OR CASUALTIES DISCOVERED DURING  
HM&E INSPECTION/TESTING. NOTE: USE SWT 841-01 FOR GUIDANCE  
IN DEVELOPING SPEC. (TYCOM PORTION)

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**Task/Abbreviation:** R-86731-004- -HM&E TSTG (NSSC)-MANAGE/ACCOMP**MJC:** EXSYR299**Rev Date:** 6/10/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 348**ManDays:** 67**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86731-004)HM&E TESTING SERVICES ARE  
REQUIRED TO SUPPORT THE AVAILABILITY.PROVIDE HM&E TEST MANAGEMENT, COORDINATION AND  
ACCOMPLISHMENT AS FOLLOWS: A. PROVIDE THE SERVICES OF A  
HM&E TEST MANAGER TO MANAGE AND CONDUCT HM&E TESTING.  
THE HM&E TEST MANAGER WILL ALSO ASSIST SHIP'S CHIEF  
ENGINEER IN PREPARING FOR LOA/LOE INSPECTIONS, OTHER KEY  
EVENTS AND MILESTONES. B. DEVELOP A MANAGEMENT PLAN FOR  
ACCOMPLISHING PRODUCTION AND FINAL ACCEPTANCE TESTING.  
C. ACCOMPLISH SHIPYARD RESPONSIBLE HM&E TESTING THAT IS  
NOT ALREADY INCLUDED IN INDIVIDUAL WORK ITEMS. (1) PROVIDE  
CALIBRATED TEST EQUIPMENT, DOCUMENTATION AND TEMPORARY  
SERVICES REQUIRED TO SUPPORT TESTING. (2) ACCOMPLISH  
REPAIR, ALIGNMENT AND RETESTING RESULTING FROM  
CONTRACTOR RESPONSIBLE DEFECTS OR CASUALTIES  
DISCOVERED DURING HM&E INSPECTION/TESTING. (3) PROVIDE \_\_\_\_  
MANDAYS AND \_\_\_\_ DOLLARS OF MATERIAL TO CORRECT GOVT \_\_\_\_  
RESPONSIBLE DEFECTS OR CASUALTIES DISCOVERED DURING  
HM&E INSPECTION/TESTING. NOTE: USE SWT 841-01 FOR GUIDANCE  
IN DEVELOPING SPEC. (NAVSEA PORTION)

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| Task/Abbreviation: R-86811-001- -HM&E DISCREP CORR WK ITEM-PROV |              | MJC: EXSYR361   | Rev Date: 6/4/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001           | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 64,125  | ManDays: 426      | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3          |                    |                   |         |

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| Reason:  | Problem Description:                                                                                   | Recommended Solution:                                                                                          |
| BASELINE | (R-86811-001)A HM&E DISCREPANCY CORRECTION WORK ITEM IS REQUIRED IN SUPPORT OF THE DEPOT AVAILABILITY. | REQUEST THE CONTRACTOR PROVIDE A HM&E DISCREPANCY CORRECTION WORK ITEM IN THE DEPOT AVAILABILITY WORK PACKAGE. |

|                                                                   |  |                     |  |                        |  |                            |  |                          |  |                |  |
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| <b>Task/Abbreviation:</b> R-86831-001- -LOA SF PREP PERIOD - PROV |  |                     |  | <b>MJC:</b> EXSYR065   |  | <b>Rev Date:</b> 6/10/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>    |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                                             | <b>Recommended Solution:</b>                                                                                                                                                                                                                                                                                                             |
| BASELINE       | (R-86831-001)SHIP'S FORCE REQUIRES A PERIOD OF TIME PRIOR TO LOA FOR PREPARATION AND TRAINING NECESSARY TO SUPPORT LOA. | THE SHIPYARD WILL SCHEDULE A MINIMUM PERIOD OF ( ) DAYS BETWEEN COMPLETION OF SHIPYARD WORK IN THE ENGINEERING SPACES AND THE LIGHT-OFF ASSESSMENT (LOA) FOR SHIP'S FORCE PREPARATION AND TRAINING NECESSARY TO SUPPORT LOA. NOTE: THIS TASK IS NOT TO BE INCLUDED IN WORK PACKAGES FOR COMNAVSURFPAC STANDARD NINE-WEEK AVAILABILITIES. |

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| Task/Abbreviation:    |  | R-86831-002- -PRELIM LOA/LOE INSP - CONDUCT |  | MJC: EXSYR243   |  | Rev Date: 6/10/2009 |  |                   |  |         |  |
| RCM Analysis:         |  | Scheduled: N                                |  | Sit Reqs:       |  | Qty: 001            |  | Removal Required: |  |         |  |
| Lvl of Maint: 1       |  | Freq: 0                                     |  | Equip/Task: 001 |  | Matl Cost: 25,233   |  | ManDays: 272      |  | Alt No: |  |
| Referenced Authority: |  |                                             |  | Repair Pool:    |  |                     |  | MCC: 3            |  |         |  |

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| Reason:  | Problem Description:                                                                                   | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                     |
| BASELINE | (R-86831-002)A PRELIMINARY LOA/LOE INSPECTION MUST BE CONDUCTED AND IDENTIFIED DEFICIENCIES CORRECTED. | ACCOMPLISH THE FOLLOWING - A. CONDUCT PRELIMINARY LOA/LOE INSPECTION. B. CORRECT GOVERNMENT RESPONSIBLE DEFICIENCIES IDENTIFIED DURING PRELIMINARY LOA/LOE INSPECTION. NOTE: USE APPLICABLE PORTIONS OF SWT 982-02 AND SWT 982-12 FOR GUIDANCE IN DEVELOPING A SPEC. NOTE: FOR LOA, THIS TASK IS NOT TO BE INCLUDED IN WORK PACKAGES FOR COMNAVSURFPAC STANDARD NINE-WEEK AVAILABILITIES. |

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| <b>Task/Abbreviation:</b> R-86831-003- -LOE SF PREP PERIOD - PROV |  |                     |  | <b>MJC:</b> EXSYR067   |  | <b>Rev Date:</b> 6/10/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                              |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 1                                            |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b> 1        |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                      |  |                     |  | <b>Repair Pool:</b>    |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                          | <b>Recommended Solution:</b>                                                                                                                                                                                                                              |
| BASELINE       | (R-86831-003)SHIP'S FORCE REQUIRES A PERIOD OF TIME TO PREPARE FOR AND COMPLETE LOE. | PROVIDE DEDICATED 14 DAY TIME FRAME AFTER MAIN SPACE TURNOVER AND PLANT STARTUP/TESTING FOR SHIP'S FORCE TO REMOVE FIRE HAZARDS, CORRECT SAFETY DEFICIENCIES, PERFORM MINOR HOUSE CLEANING CHORES AND COMPLETE LIGHT OFF EXAMINATION IN MACHINERY SPACES. |

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| Task/Abbreviation: R-86831-004- -PRE-LOA DEFIC CORR FUNDS-PROV |              | MJC: EXSYR378   | Rev Date: 2/10/2010 |                   |         |
| RCM Analysis:                                                  | Scheduled: N | Sit Reqs:       | Qty: 001            | Removal Required: |         |
| Lvl of Maint: 1                                                | Freq: 0      | Equip/Task: 001 | Matl Cost: 2,500    | ManDays: 25       | Alt No: |
| Referenced Authority:                                          | Repair Pool: | MCC: 3          |                     |                   |         |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                                                                                            |
| BASELINE | (R-86831-004)PRELIMINARY LOA INSPECTION DEFICIENCIES MUST BE CORRECTED. | PROVIDE 25 MANDAYS OF LABOR AND \$2500 MATERIAL TO CORRECT GOVERNMENT RESPONSIBLE DEFICIENCIES IDENTIFIED DURING PRELIMINARY LOA INSPECTION. TOTAL COST OF DEFICIENCIES GREATER OR LESS THAN THE ABOVE MANDAY AND DOLLAR AMOUNTS WILL BE THE SUBJECT OF AN EQUITABLE ADJUSTMENT. |



|                                                                 |              |                 |                      |                   |         |
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| Task/Abbreviation: R-86832-001- -LOA/LOE DEFIC CORR FUNDS -PROV |              | MJC: EXSYR245   | Rev Date: 12/11/2009 |                   |         |
| RCM Analysis:                                                   | Scheduled: N | Sit Reqs:       | Qty: 001             | Removal Required: |         |
| Lvl of Maint: 1                                                 | Freq: 0      | Equip/Task: 001 | Matl Cost: 5,465     | ManDays: 96       | Alt No: |
| Referenced Authority:                                           | Repair Pool: | MCC: 3          |                      |                   |         |

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| Reason:  | Problem Description:                                                    | Recommended Solution:                                                                                                                                                                                                                                                                                                                          |
| BASELINE | (R-86832-001)DEFICIENCIES IDENTIFIED DURING LOA/LOE REQUIRE CORRECTION. | PROVIDE __ MANDAYS OF LABOR AND \$__ MATERIAL TO CORRECT GOVERNMENT RESPONSIBLE DEFICIENCIES IDENTIFIED DURING LOA/LOE. NOTE 1: USE APPLICABLE PORTIONS OF SWT 982-02 AND SWT 982-10 FOR GUIDANCE IN DEVELOPING A SPEC. NOTE 2: FOR LOA, THIS TASK IS NOT TO BE INCLUDED IN WORK PACKAGES FOR COMNAVSURFPAC STANDARD NINE-WEEK AVAILABILITIES. |

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| <b>Task/Abbreviation:</b> R-86832-002- -SF LOA/LOE DEFIC - CORR |  |                     |  | <b>MJC:</b> EXSYR069   |  | <b>Rev Date:</b> 6/10/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                            |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 4                                          |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b>          |  | <b>ManDays:</b>          |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                    |  |                     |  | <b>Repair Pool:</b>    |  |                            |  | <b>MCC:</b> 3            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                             | <b>Recommended Solution:</b>                                     |
| BASELINE       | (R-86832-002)DEFICIENCIES IDENTIFIED DURING LOA/LOE REQUIRE CORRECTION. | CORRECT SHIPS FORCE RESPONSIBLE ITEMS IDENTIFIED DURING LOA/LOE. |

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| Task/Abbreviation:    |            | R-86832-006- -MCHRY SP-COMPL/LOA DEFIC-CORR |           | MJC:        | EXSYR375 | Rev Date:         | 12/11/2009 |          |    |         |  |
| RCM Analysis:         | Scheduled: | N                                           | Sit Reqs: | Qty:        | 001      | Removal Required: |            |          |    |         |  |
| Lvl of Maint:         | 1          | Freq:                                       | 0         | Equip/Task: | 001      | Matl Cost:        | 5,000      | ManDays: | 25 | Alt No: |  |
| Referenced Authority: |            | Repair Pool:                                |           | MCC:        |          | 3                 |            |          |    |         |  |

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| Reason:  | Problem Description:                                                                        | Recommended Solution:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BASELINE | (R-86832-006)MACHINERY SPACE PRODUCTION WORK COMPLETION AND SUPPORT FOR LIGHT-OFF REQUIRED. | COMPLETE ALL CONTRACTOR RESPONSIBLE WORK, THAT CAN BE ACCOMPLISHED WITHOUT ACTUALLY LIGHTING OFF THE PLANT, 2 WORKING DAYS PRIOR TO PLANT LIGHT-OFF. THIS INCLUDES WORK IN MAIN PROPULSION MACHINERY SPACES, AUXILIARY MACHINERY ROOMS, STEERING GEAR ROOM, SHAFT ALLEYS, PUMP ROOMS, AFFF STATIONS, FO TANKS, LO TANKS, JP-5 TANKS, FEED TANKS, AND CHT TANKS. IT INCLUDES ALL CONTRACTOR RESPONSIBLE TESTING THAT CAN BE ACCOMPLISHED WITHOUT LIGHTING OFF THE PLANT. PROVIDE 25 MANDAYS LABOR AND 5,000 DOLLARS MATERIAL TO CORRECT GOVERNMENT RESPONSIBLE LIGHT-OFF RELATED DEFICIENCIES AS DESIGNATED BY THE NSA/PORT ENGINEER. NOTE: RESERVATION AMOUNTS WILL BE AGREED TO BY THE PORT ENGINEER AND THE NSA NOT LATER THAN THE WPIC. |

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**Task/Abbreviation:** R-86841-001- -FAST CRUIS,DOCK/SEA TRIAL-SPRT**MJC:** EXSYR247**Rev Date:** 6/10/2009**RCM Analysis:****Scheduled:** N**Sit Reqs:****Qty:** 001**Removal Required:****Lvl of Maint:** 1**Freq:** 0**Equip/Task:** 001**Matl Cost:** 7,693**ManDays:** 118**Alt No:****Referenced Authority:****Repair Pool:****MCC:** 3**Reason:****Problem Description:****Recommended Solution:**

BASELINE

(R-86841-001)INDUSTRIAL SUPPORT FOR DOCK TRIALS, FAST CRUISE AND SEA TRIALS IS REQUIRED.

PROVIDE SUPPORT FOR DOCK TRIALS, FAST CRUISE AND SEA TRIALS AS FOLLOWS: A. DOCK TRIALS - ASSIST IN SECURING THE SHIP TO PIER AND STAND-BY DOCK TRIALS TO MAKE REPAIRS AND ADJUSTMENTS NECESSARY FOR OPERATION OF CONTRACTOR-REPAIRED EQUIPMENT. DISCONNECT SERVICES AND REMOVE BROWS AS DIRECTED BY THE NAVAL SUPERVISING ACTIVITY. B. FAST CRUISE - DISCONNECT ALL SERVICES AND BROWS FOR A ( ) HOUR PERIOD PRIOR TO SEA TRIALS. WORK WILL BE ALLOWED DURING THIS PERIOD ONLY AS AUTHORIZED BY THE NAVAL SUPERVISING ACTIVITY. C. POST REPAIR SEA TRIALS - PROVIDE ( ) PERSONNEL AND ACCOMPANY THE SHIP ON A ( ) DAY SEA TRIAL. NOTE: USE SWT 982-50 FOR GUIDANCE IN DEVELOPING SPEC.

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| Task/Abbreviation: R-86842-001- -DISCREP FROM TRIALS - CORR |         |                 | MJC: EXSYR071    |             | Rev Date: 6/10/2009 |                   |
| RCM Analysis:                                               |         | Scheduled: N    | Sit Reqs:        |             | Qty: 001            | Removal Required: |
| Lvl of Maint: 1                                             | Freq: 0 | Equip/Task: 001 | Matl Cost: 6,270 | ManDays: 82 | Alt No:             |                   |
| Referenced Authority:                                       |         | Repair Pool:    |                  | MCC: 1      |                     |                   |

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| Reason:  | Problem Description:                                      | Recommended Solution:                                                                                                                                                                  |
| BASELINE | (R-86842-001)PRE-TRIAL DICSCREPANCIES REQUIRE CORRECTION. | CORRECT MINOR DISCREPANCIES WHICH RESULT FROM PRE-TRIAL MACHINERY OPERATIONAL TESTING AND TRIALS. PROVIDE (__) MANDAYS AND (\$____) FOR MATERIAL. NOTE: TYCOM TO PROVIDE FUNDING LIMIT |

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| <b>Task/Abbreviation:</b> R-86842-002- -SF POST-TRIAL WORK - ACCOMP |  |                     |  | <b>MJC:</b> EXSYR249   |  | <b>Rev Date:</b> 6/10/2009 |  |                          |  |                |  |
| <b>RCM Analysis:</b>                                                |  | <b>Scheduled:</b> N |  | <b>Sit Reqs:</b>       |  | <b>Qty:</b> 001            |  | <b>Removal Required:</b> |  |                |  |
| <b>Lvl of Maint:</b> 4                                              |  | <b>Freq:</b> 0      |  | <b>Equip/Task:</b> 001 |  | <b>Matl Cost:</b> 86       |  | <b>ManDays:</b> 16       |  | <b>Alt No:</b> |  |
| <b>Referenced Authority:</b>                                        |  |                     |  | <b>Repair Pool:</b>    |  |                            |  | <b>MCC:</b> 2            |  |                |  |

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| <b>Reason:</b> | <b>Problem Description:</b>                                                                                      | <b>Recommended Solution:</b>                                                                                                                                                                                                   |
| BASELINE       | (R-86842-002)WORK BY SHIP'S FORCE IS REQUIRED AFTER COMPLETION OF MAIN SPACE TURNOVER AND PLANT STARTUP/TESTING. | AFTER MAIN SPACE TURNOVER AND PLANT STARTUP/TESTING HAS BEEN COMPLETED, REMOVE FIRE HAZARDS, CORRECT SAFETY DEFICIENCIES, PERFORM MINOR HOUSE CLEANING CHORES AND COMPLETE MASTER LIGHT OFF CHECKS (MLOC) IN MACHINERY SPACES. |

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| Task/Abbreviation: R-88111-001- -GROWTH WORK RESERVE - PROV |              | MJC: EXSYR115   | Rev Date: 6/10/2009 |                   |         |
| RCM Analysis:                                               | Scheduled: N | Sit Reqs:       | Qty: 001            | Removal Required: |         |
| Lvl of Maint: 1                                             | Freq: 0      | Equip/Task: 001 | Matl Cost: 159,975  | ManDays: 1200     | Alt No: |
| Referenced Authority:                                       | Repair Pool: | MCC: 3          |                     |                   |         |

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| Reason:  | Problem Description:                                                       | Recommended Solution:                                                                                                                                                                                               |
| BASELINE | (R-88111-001)A RESERVATION FOR GROWTH DURING THE AVAILABILITY IS REQUIRED. | FUNDS RESERVATION - PROVIDE ____ MANDAYS AND \$ ____ MATERIAL TO COVER GROWTH IN SCOPE OF AUTHORIZED REPAIRS DURING THE AVAILABILITY. FUNDS SHOULD BE APPLIED TO THE APPROPRIATE SWLIN AS AUTHORIZED GROWTH OCCURS. |

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| Task/Abbreviation:    |            | R-88121-001- -NEW WORK RESERVE - PROV |           | MJC:        | EXSYR116 | Rev Date:         | 6/10/2009 |          |     |         |  |
| RCM Analysis:         | Scheduled: | N                                     | Sit Reqs: | Qty:        | 001      | Removal Required: |           |          |     |         |  |
| Lvl of Maint:         | 1          | Freq:                                 | 0         | Equip/Task: | 001      | Matl Cost:        | 67,850    | ManDays: | 509 | Alt No: |  |
| Referenced Authority: |            | Repair Pool:                          |           | MCC:        |          | 3                 |           |          |     |         |  |

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| Reason:  | Problem Description:                                                         | Recommended Solution:                                                                                                                                                                         |
| BASELINE | (R-88121-001)A RESERVATION FOR NEW WORK DURING THE AVAILABILITY IS REQUIRED. | FUNDS RESERVATION - PROVIDE ____ MANDAYS AND \$ ____ MATERIAL TO COVER EMERGENT NEW WORK DURING THE AVAILABILITY. FUNDS SHOULD BE APPLIED TO THE APPROPRIATE SWLIN AS NEW WORK IS AUTHORIZED. |