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Date: January 2010 **MIP** 6641 **MRC:** 10 W31A N **Periodicity:** A-3
Series:

Location: Equipment Guide List Recommended

Ship System: Working Spaces 660
System: Damage Control Stations 664
SubSystem: Damage Control Stations 6641
Equipment: Hull Structure General

Rates	Man-Hours	Rates	Man-Hours	Rates	Man-Hours
LCPO/DIVO/DCPO	1.0				
Total Man-Hours:	1.0	Elapsed Time:	1.0		

MAINTENANCE REQUIREMENT DESCRIPTION

1. Inspect Compartment/Space as Applicable to Work Center.
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SAFETY PRECAUTIONS

1. Forces afloat comply with NAVOSH Program Manual for Forces Afloat, OPNAVINST 5100.19 series; shore activities comply with NAVOSH Program Manual, OPNAVINST 5100.23 series.
 2. Ensure all tag-out procedures are in accordance with current shipboard instructions.
 3. Wear electrical safety gloves and protective glove shells while inspecting cables, stuffing tubes, loose or frayed wiring, lighting fixtures, watertight light covers for missing and deteriorated gaskets, shields, mounting covers, terminal box covers, receptacle covers with attached chain, and sound-powered telephone covers. If unused stuffing tubes are found to contain cutoff electrical cables, an electrician must determine if cables are energized or have the potential to become energized.
 4. Exercise caution while in darkened compartment.
 5. For CO₂ protected spaces without time delay, ensure personnel wear charged OBA/SAR/SCBA while conducting step 1.a.(29).
Airline masks may be worn in lieu of OBA/SAR/SCBA only in spaces which have emergency air breathing system installed. In addition, post 2 men outside of each affected space, 1 man equipped with OBA/SCBA in stand-by and another to act as tender to rescue and assist personnel in case of accidental discharge of CO₂.
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TOOLS, PARTS, MATERIALS, TEST EQUIPMENT**MATERIALS**

1. [00378] Dowel, wood
2. [01144] Tag, safety
3. [02277] Pad, writing paper
4. [02278] Pencil

TOOLS

1. [01181] Screwdriver, flat tip, 10", general purpose
2. [02271] Flashlight, Type 3, style 1, explosive proof
3. [02646] Screwdriver, cross tip, 8", # 1 phillips

MISCELLANEOUS

1. [00526] Gloves, electrical workers', 7500 volt maximum safe use, rubber
2. [00532] Glove shells, electrical workers', Leather
3. [00874] Mask, air line, Full facepiece, air filter, belt, bracket
4. [01335] Breathing apparatus, self-contained
5. [02676] Stepladder, No NSN -- W/C provide

NOTE: Numbers in brackets can be referenced to Standard PMS Materials Identification Guide (SPMIG) for identification.

PROCEDURE

NOTE 1 : If inspection reveals discrepancies that cannot be corrected by cognizant work center, this must be reported to applicable engineering maintenance work center for corrective action. When all discrepancies noted have been corrected or entered into ship's Force Worklist/ Current Ship's Maintenance Project (CSMP), work center supervisor may mark this check as completed per Tycom instructions.

NOTE 2 : Items marked with * affect subdivision bulkhead integrity. If deficiency is not expected to be corrected

within 30 days, cognizant work center must generate a 4790/2K for corrective action and enter deficiency into ship's CSMP.

NOTE 3 : When maintenance inspection is to be performed in elevator trunks and machinery spaces, package conveyors, or any other machinery spaces where hazards to personnel are considered beyond the ordinary, ensure proper tag out is performed as required.

NOTE 4 : Either SCBA, NSN 4240-01-486-1946 or 4240-01-449-5351 can be used.

NOTE 5 : LCPO or DIVISION Officer who owns the space will accompany the DCPO on the inspection and sign for completion of the Maintenance Requirement.

Preliminary

WARNING: Ensure all tag-out procedures are in accordance with current shipboard instructions.

- a. De-energize equipment/circuit to provide personnel protection and tag "Do Not Operate", as required.
- b. Work Center Supervisor shall enter the number of each compartment/space to be inspected and determine the applicable inspection items listed on table 1. For each compartment/space to be inspected place an "X" in the appropriate inspection item number boxes (numbers 30 through 32 reserved for future use).

1. Inspect Compartment/Space as Applicable to Work Center.

- a. Inspect the following items for damage, deterioration, proper stowage, and parts missing from designated locations, delete items not applicable to ship; refer to table 1.

- (1) Compartment check-off list and watch quarter and station bill if applicable
- (2) Compartment/space label plates, numbering, and division assigned

NOTE 6 : All piping and ventilation ducts passing through watertight (WT) or airtight (AT) bulkheads, decks, and overheads must be welded to bulkhead, deck or overhead through which they pass. Strength or ballistic bulkheads penetrations must be welded on both sides. In fumetight (FT) bulkheads, decks, and overheads welded penetrations are not mandatory, but oversize holes are unacceptable. Where insulation precludes visual inspection of piping and vent ducts passing through watertight or airtight bulkheads, air leaks should be discovered by regularly scheduled air test of compartments.

NOTE 7 : On ships having aircraft style threaded pipe fitting or other non-welded bulkhead penetrations, inspect bulkhead penetrations and pipe fittings for deterioration, cracks, loose fittings, and separation from bulkheads.

NOTE 8 : For spaces having fuel line penetrations, inspections of fuel lines to be conducted by the DCPO under the supervision of the Aviation/Engineering Fuels Officer or their delegated representative, as applicable. Inspections shall be conducted in accordance with NSTM Chapter 505, paying particular attention to the warnings, cautions, and notes. Additionally, verify that fuel piping system has flange shields installed in accordance with NSTM Chapter 505.

- (3) *Piping and ventilation duct markings and bulkhead penetrations
- (4) Fire station numbering
- (5) Valve classification and numbering
- (6) Doors, hatches, and scuttle classification and numbering
- (7) Frame numbering
- (8) Tanks, voids, cofferdam, classification, and numbering
- (9) Fire hose overboard discharge fitting, classification, and numbering
- (10) *Air test fitting caps, cap and pipe threads, and gaskets
- (11) Firemain jumper hose
- (12) *Sounding tube fittings, cap and tube threads, gaskets, classification, and numbering
- (13) First aid, decontamination, and traffic markings
- (14) T-wrenches (various)
- (15) Porthole, hatch, dogging wrench and ventilation weather closure open and/or closed end wrenches

NOTE 9 : Ensure insulated rubber gloves have been inspected as described on MIP 3000/001.

