

PLANNED MAINTENANCE SYSTEM SERVICE BRIEF

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Each FR Update SPMIG.MDB and 3M Reference Documents

All users that have PMSViewer installed on their local work station must copy the new SPMIG and 3M reference documents from the CD-ROM or DVD image on the command's LAN and replace the existing force revision spmig.mdb and documents folder.

- a. Copy the spmig.mdb to c:\program files\pmsviewer\data\ and replace the existing spmig.mdb.
- b. Copy the documents folder to c:\program files\pmsviewer\data and replace the existing documents folders.

(4-09)



Visit the SKED 3.1 Web Page

For the latest SKED 3.1 updates, frequently asked questions and solutions, visit the SKED 3.1 website by selecting **SKED Updates** on WEB URL: <https://secure.nslc.navy.mil/pms/pms.nsf>.

(3-07)

Updating PMS Data in SKED 3.1, Command 3MC Actions

To reduce the deleting of EGLs, and or adding MIPs that have been superseded during the time between FRs this sequential process must be followed when Updating PMS Data from the Force Revision into SKED 3.1. This procedure also provides guidance on how to align your work centers with the Standardized Workcenters list maintained by your TYCOM. All the files required to perform these steps are located on each new FR DVD/CD-ROM.

1. Ships 3MC after receiving the NAVY PMS CD-ROM or PMS DVD for the new FR, run the MIP Changer utility.
 - a. On the server hosting SKED 3.1, browse to the Navy PMS CD-ROM or DVD >SKED Update Utilities> SKED 31MIPConverter.exe
 - b. Execute SKED31MIPConverter.exe. A report will be issued listing all that has been changed by work center. This report can be saved and printed out for distribution to the effected workcenters.
2. Commands needing to rename or split work centers to align with Standardized Work center, run the SKED 3.1 Work center Manipulation Utility.
 - a. Print the operating instructions by browsing to the Navy PMS CD-ROM or DVD >SKED Update Utilities>SKED31WorkcenterManipulation Utility.txt.

- b. Browse to the NAVY PMS CD-ROM or DVD >SKED Update Utilities>skedwcchg.exe.
 - c. Execute skedwcchg.exe using the SKEDADMIN login and password. Follow the wizard to perform changes.
3. Update the FR PMS Data into SKED 3.1.

Note: Depending on system hardware, this process may take several hours to complete.

 - a. On the server hosting SKED 3.1, log SKED 3.1 as an Administrator or 3MC user.
 - b. From the menu bar, select Admin>Update Data>Update PMS Data and follow the wizard instructions.
 - c. When the Update PMS Data dialog box states "Update Complete!" click Exit.

For SKED technical assistance, contact one of the following:

PAC Activities: Code 05352, Commercial (619) 556-0577, DSN 526-0577 or e-mail hilario.gabrintina@navy.mil

LANT Activities: Code 05351, Commercial (757) 967-3414, DSN 387-3414 or e-mail percy.saunders@navy.mil

COMSUBFOR PAC Activities: Commercial (808) 473-4839 or e-mail steven.a.campbell@navy.mil

COMSUBFOR LANT Activities: Commercial (860) 694-5333 or e-mail jeffrey.a.baur@navy.mil

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Updating Changed MIP, and MRC Documents, Work Center Supervisor Actions

NAVSEAINST 4790.8 and your TYCOM 3M instruction describes what PMS documents are required to be stored in the Work Center Binder. Some of the required documents are the MIPs listed on your LOEPs, and depending on your TYCOM Instruction some or all of the MRCs that are used to perform Planned Maintenance. Each FR some of the MIPs and MRCs are updated. Depending on your TYCOM instruction some or all of the changed, and only the changed MIPs and MRCs need to be updated in the Work Center Binder.

To print only the changed MIPs and MRCs;

For SKED 3.1

1. From an open workcenter schedule click on the Binoculars in the lower left hand corner of the Schedule.
2. Click the Batch Print button from the tool Bar.
3. Follow the Wizard to print the desired MIPs and MRCs. Selection 3.c. is the recommended option.
 - a. All PMS Documents listed for my Work Center.
 - b. Select only PMS Documents that have changed for my workcenter, regardless of whether or not they are currently on my schedule.
 - c. Select only PMS documents that have changed for my work center.

- d. Select only PMS documents that are on the workcenter schedule.

For SKED 3.2

1. From the Workcenter Tab, select the PMS Documents view.
2. Click on the Print PMS Deck button.
3. In the Print PMS Deck box, expand and place a check mark next to the MIPs that require printing.
4. Remove the Check Mark next to the MRCs that do not require printing.
5. Click the Print button.

For PMSViewer

1. From the tree select your Command and workcenter.
2. Highlight the MIP that has changed.
3. Click on the Batch Print icon on the tool bar.
4. In the Organize Batch Printing Box place a check mark next to “include associated MRCs”, and “Include Changed Documents Only”.
5. Click on the Add Document to Print List button.
6. Repeat steps 2 through 5 until all changed MIPs and MRCs have been selected for printing.
7. Click the Print Batch button.

For SKED technical assistance, contact one of the following:

anchordesk@navy.mil
<http://www.anchordesk.navy.mil/fleetsupport/request.nsf/request?OpenForm>
 Global Distance Support Center (GDSC)

Commercial: 877-418-6824
 Fax: (757) 443-3662

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SKED 3.1 Remembers Last Revision Changes

SKED 3.1 remembers which MIPs and MRCs you set as active during the last revision. To allow SKED 3.1 to remember which MIPs and MRCs were active between each revision, you must select “Using the Centralized Data Source” when responding to Step 1: Choose Revision Method of the revision Wizard.

This is the default setting if the Command’s 3MC has Updated PMS Date from the current NAVY PMS FR DVD/CD-ROM. For workcenters that have a large number of Component Rows, it is recommended that on “Step 5: include Previously Rejected and New MRCs” of the Revision Wizard, place a check mark next to “Do not Include previously rejected MRCs in this revision”. This will help to prevent you from receiving an overflow error.

If you do not have “Revision from Centralized Data Source (Recommended)” it is because PMS data was not updated into SKED 3.1. If this is the case, then in Step 1: of the Revision Wizard use “Revision from NAVY PMS CD”. This revision method will provide you with the functionality of retaining the previous revisions history.

These are the only two Revision Methods that you should ever use. Both of these methods do allow the



user to make manual adds to the workcenter schedule if it is needed.

If you get into your revision and see that all the MIPs and MRCs are Green, or new, it is a strong indication that the last revision(s) were performed using the Manual revision method. Use of the Manual revision method does not retain any history of changes.

For SKED technical assistance, contact one of the following:

anchordesk@navy.mil
<http://www.anchordesk.navy.mil/fleetsupport/request.nsf/request?OpenForm>
 Global Distance Support Center (GDSC)
 Commercial: 877-418-6824
 Fax: (757) 443-3662

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SKED 3.2 Implementation

SKED 3.2 has been certified for use on NIAPS version 2.0. Fleet installations of SKED 3.2 have been accomplished on the USS LABOON (DDG-58), USS STOUT (DDG-55), and USS KIDD (DDG-100). It has also been installed on USS FREEDOM (LCS-1) and USS INDEPENDENCE (LCS-2). NAVSEA is working with USFF and TYCOMs to accelerate the rollout of SKED 3.2 in the fleet.

The SKED 3.2 installation process will include the conversion of existing SKED 3.1 data, training for the 3M Coordinator, Officers, Chiefs, and Work Center Supervisors. NAVSEA installation technicians will

be onboard for several days performing the conversion and training.

(1-10)

SKED 3.2 Integrates Fleet's Requested Enhancements

Component Based MRC Line Outs and Customization:

SKED 3.2 will schedule PMS at the component/equipment level and will be tied to configuration. SKED 3.2 will allow the Workcenter Supervisor to customize an MRC for a specific piece of equipment by performing a line-out on steps, as allowed by NAVSEAINST 4790.8B, that are not applicable for that equipment or configuration. The supervisor may also add custom notes for the Tools, Parts, and Materials block. In addition, the component's name, location, and serial number will be displayed on the MRC. If the card is destroyed, simply print its replacement, removing the need to review and approve the MRC.

Increased Automation / Workflow: SKED 3.2 includes automated workflow mechanisms that provide customized task lists for each user. When a user logs into SKED 3.2, the user's task list will be the welcome screen. This is a customized list of actions that require the user's attention and automatically links the user to other areas of the program where those tasks need to be performed. Assigned maintenance tasks, feedback report approvals, PMS alerts for out-of-periodicity maintenance, assigned training tasks, and spot check assignments are examples of the types of tasks that are available from the user's task screen.

Increased Support for Situational Maintenance:

The standardization of situational maintenance requirements has allowed SKED 3.2 to automatically build and associate "global" (ship-wide) and "local" (equipment specific) events. These events are automatically built and updated when the Force Revision data is updated into SKED. The application will also present to each work center supervisor, a concise list of situations that their PMS identifies. SKED 3.2 supports "states", "triggers", and counter-based situations.

Increased Performance and Reliability:

SKED 3.2 performs real-time updates to the database for increased performance, reliability, and accuracy. Therefore, ship-wide reports are always based on current information. These updates also provide the ability for multiple users to accurately access work center data at the same time. Extensive data validation routines ensure that only the proper information may be entered into the system, and the user-based roles and permissions scheme streamline the user-interface to reduce the amount of clutter presented to the user.

Ship-Wide LOEP Management: The ship-wide LOEP management screen provides the 3M Coordinator, Department Heads, and Division Officers the ability to electronically compare each work center's LOEP with their PMS schedules. This tool also allows the 3MC to see each of the ship's Maintenance Index Pages (MIP) at the ship-wide level to ensure that all maintenance is covered.

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How do I request Technical Support for SKED 3.1 and PMS Viewer

To request technical support for either SKED 3.1 or PMS Viewer, submit your request to the NAVSEA Anchor Desk using one of four methods.

1. Phone: 1-877-418-6824
2. E-mail: Help@AnchorDesk.Navy.Mil, or Help@AnchorDesk.Navy.Smil.Mil
3. Naval Message using the PLAD: ANCHORDESK NORFOLK VA
4. WEB Request Form: <http://www.anchordesk.navy.mil/fleetsupport/request.nsf/request>

(3-07)

Restarting Cycle Schedules Using SKED 3.1

As directed by OPNAV and TYCOM instructions, periodically you are required to reset the Schedule Quarter after Overhaul to 1. You can print a copy of the procedure to reset your Cycle Schedule from WEB URL www.nslc.navy.mil/pms/pms.nsf and selecting SKED Updates from the Download Files section. Browse to the Frequently Asked Questions (FAQ) section, highlight the topic of interest and click on print.

(2-05)

Opening the SKED HELP FILE

The SKED 3.1 Help file can not be viewed when logged into SKED 3.1 due to a Security Hotfix distributed by Microsoft several years back preventing .chm files from being opened across a network.

Copying SKED help manual to your desktop:

- 1) Copy file "SKED_3.CHM" from the NIAPS server SKED 3.1 directory.
- 2) Paste it to your Desktop.
- 3) Open the SKED help folder on your desktop to view help manual.

If the SKED help manual does not open from your desktop, perform the following steps:

- 1) Copy file "SKED_3.CHM" from the NIAPS server SKED 3.1 directory.
- 2) Paste it to a folder, normally your temp folder, on the C drive of the local work station.
- 3) Open the SKED help from the folder on your C drive to view help manual.

This procedure will have to be performed at each work station that will need to access the SKED help manual.

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SKED Training

ATG 3M Team offers a one-day SKED workshop. This is a hands-on workshop that covers the installation of Force Revisions and properly maintaining work centers. For more information, ATG points of contact are:

PAC Activities: Lisa Dubois at DSN 526-5796, Commercial (619) 556-5796 or e-mail lisa.dubois@navy.mil

LANT Activities: Gary Hudson at DSN 564-6994, Commercial (757) 444-6994 or e-mail gary.w.hudson.ctr@navy.mil

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PMS WEB Site

The PMS Program Support webpage is available on the NAVAL SEA LOGISTICS CENTER (NSLC) home page product list. The URL is www.nslc.navy.mil and the URL for the PMS page is <https://secure.nslc.navy.mil/pms/pms.nsf>. This web site provides information pertaining to PMS programs and services.



The site provides three areas for information and a PMS Comment form for customer feedback.

Information - Provides detailed information concerning PMS.

Request for Services - Provides four forms available to the user for electronic submission. They are:

1. PMSMIS / TFBR Account Request Form - Used to request access to the PMS MIS to submit TFBRs if unable to use SKED.
2. SPMIG Submit Form - Used for submission of requests for new SPMIG numbers.
3. PMS Activity Address Change Form - Used to submit address changes.

To submit these forms, simply click on the applicable form, add the requested information, submit, and we will process the information as soon as it arrives.

Note: The hyperlink 'Electronic FeedBack Report Form (ETFBR) OPNAV 4790.7B' has been removed. TFBRs should be submitted via SKED 3.1 or lacking that capability submitted via the PMS MIS Feedback Report Wizard.

Download Files - Provides the user access to download the New PMS Editor (NPE). SKED updates are available for download via a link to the Antech Systems Inc. website. We highly recommend users access the site monthly after the 10th, when the latest NPE and other information programs are updated.

Points Of Contact - Provides a current listing of Points of Contact for the PMS Program at NAVSEALOGCEN Detachments Norfolk and San Diego. There is also a link to a PMS Customer Comments form.

E-mail can be sent directly from the site. For further information, contact NSLC DET San Diego at (619) 556-0723, DSN 526-0723 or NSLC DET Norfolk at (757) 967-3405, DSN 387-3405.

Maintenance on Cryptographic Devices

In the past, right or wrong, cryptographic devices in the EKMS vault had minimal maintenance performed on them, which did not impact their availability. However, with the change to modern cryptographic devices this method of operation can no longer be used. Modern cryptographic device design includes active circuits using battery backup that requires maintenance while operational or in storage (such as the EKMS vault) to ensure the units will not fail during periods when they are required. Failure to perform these checks may result in the system batteries dying, which will allow the unit to lock up and require the device to be returned to repair facility for reloading of critical software.

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COMNAVAIRFOR 3-M Lessons Learned

1. The newest 3M PQS (NAVEDTRA 43241-J) was finalized in December 2009. All personnel previously qualified in 3M will need to qualify on any prerequisites that are new and areas determined by the ship's PQS Unit coordinator and 3MO/3MC. All personnel that are completing the PQS for the first time will qualify under the newest revision up to their required position needed. PQS coordinators need to refer to NAVEDTRA 43100-1G for direction.
2. MIPS 5832/014, 5832/016 and 5832/005 require enhanced attention by all when performing maintenance. MIP 5832/014 for commercial MK1 float coats utilize 24 gram CO2 cylinders and MIP 5832/016 for commercial grade abandon ship type life preservers utilize 32 gram CO2 cylinders. Not utilizing the proper CO2 cylinders for each type of life preserver may have detrimental results for the user.
3. The 3M Team has noted several electrical safety related discrepancies to include:
 - a. Wrong periodicity on portable and mobile electrical equipment. MIP 3000/001 defines portable and mobile electrical equipment as well as periodicities required for two or three prong plugs.
 - b. For incorrectly constructed dummy plugs (i.e. all three conductors connected to plug vice only the ground lead), NSTM 300, para.



2.7.6.2, defines the procedure for correctly constructing them. Unauthorized (wrong gage and/or wrong length) extension cords used onboard, NSTM 300, para. 2.7.4.4, defines requirements for extension cords.

- c. Maintenance personnel (MP) unfamiliar with basic electrical safety precautions and both MP and spot checkers unfamiliar with proper procedures to verify absence of power in electrical components IAW NSTM 300.
- d. Maintenance personnel unfamiliar with proper operation of test equipment (i.e. using megohmmeter on wrong scale, not depressing test pushbutton while taking readings, or not knowing the difference between a good reading and a bad reading).

****Recommendation:** supervisory personnel ensure familiarity and compliance with published electrical/electronic directives. Supervisory personnel train subordinates in safety procedures, and test equipment operation, and maintenance personnel understand every step of the MRC prior to being assigned any maintenance as the sole maintenance person.

- 4. Ship's force (SF) 3M Training Teams (3MTT) are not comprised of the right personnel. This team should include personnel from maintenance intensive departments and include a good compliment of officers (LDOs and CWOs) and CPOs (E-7 to E-9). SF 3MTTs only appear to be performing spotchecks rather than training the

other ship's spotcheckers. The ship will get more benefit from 3MTT observing and training spotcheckers on a weekly basis.

- 5. The average S/F 3MTT ACF reported in Ship's 3M quarterly Reports is 85-90%. When CNAF 3M Team observes S/F 3MTT the average is 25-50% which is a difference of over 45%. The S/F 3MTT are grading the spotchecks using the same criteria as the CNAF team during the visit. If S/F 3MTT was consistently critical as they are during CNAF visit, the ship's 3M organization would have adequate trend data and be able to correct the ship 3M discrepancies.
- 6. Recent observation during the implementation of CNAF 4790.1D chapters 8, 9 and 10. SF repair personnel are not properly documenting lead and or assist work center hours expended in OMMS-NG in support of trouble call and SF self repair availabilities. Major factors that led to this problem include: 1) extended yard period where self repair program was deactivated in support of SF teams, 2) transfer of personnel and use of other reporting systems.
- 7. Ship's 3M organizations have periodic timely 3M requirements for reports, and self assessments for submission as required IAW CNAF 4790.1D and COMNAVAIRFOR MSG 151534Z MAR2007. If these requirements are not strictly followed it will have adverse effects on a ship's ability to obtain the Purple "E" award.

Questions or comments can be addressed to: MMCM(SW) Doug Marmon, CNAF N434 3MC, (619) 545-4354, or e-mail douglas.marmon@navy.mil (3-10)

New E-mail Address for Submitting TFBRs

For commands that do not have access to RAD WEB for up lining TFBRs to NSLC, attach the TFBR TXT file to an e-mail addressed to mike.kegel@navy.mil or lesa.mitchell@navy.mil.

All TFBRs must be routed through your chain of command as outlined in the NAVSEAINST 4790.8B chg 3. SKED 3.1 is the primary method of origination, review and approval, and submission of TFBRs from afloat and shore commands with Ships Maintenance and Material Management (3M) requirements. Organizations unable to use SKED are required to submit TFBRs via the PMS MIS's Feedback Report Wizard.

To obtain access to this feature please contact: Rebecca Johnson, Commercial (757) 967-3404, DSN 387-3404 or e-mail rebecca.r.johnson@navy.mil (4-09)

Configuration Based Maintenance

NAVSEA 04, NSLC, SUBMEPP and NSWCCD have engaged in a new methodology to develop class/equipment specific MIPs and MRCs. This process, Configuration Based Maintenance, provides



the end user maintenance documentation developed specifically for his/her platform or equipment. MIP Scheduling Aids are reduced, if not eliminated in their entirety, and MRCs no longer contain review and omit or "if applicable" steps. If the MIP and MRC are loaded to your platform, it is applicable. This enhanced development process is being prototyped for the submarine community. With this FR, submarine Mooring and Towing PMS documentation has been revised to be configuration specific. MIP 5821/021 is now applicable to SSN 21 Class only and all tables, drawings and procedural steps apply only to SSN 21 class submarines. The same holds true for 5821/036 which applies to SSN 774 class, 5821/035 which applies to SSBN/GN 726 class and 5821/034 which applies to SSN 688 class. The development of this type of documentation coupled with the capabilities of SKED 3.2 and accurate configuration data will eventually lead to a scheduling program that not only schedules the MRC when it needs to be accomplished, but identifies the system, equipment and/or component to which that MRC applies; the right maintenance for the right equipment for the right platform.

As this is the first Configuration Based Maintenance MIP series developed, we are soliciting your feedback. Basically, what do you think? Do you see value in this effort and will it make your job easier? At this early phase in the process, your input could have a significant impact on the way forward. 3MCs or AGang LPOs let us know what you think. Provide your comments via e-mail to your TYCOM Rep, SUBMEPP, Ray Lambert, ray.lambert@navy.mil or NAVSEA 04 Andy Kelly, william.a.kelly@navy.mil.

(2-10)

Fleet Maintenance Effectiveness Reviews (FLEETMERS)

In support of NAVSEA 04RM's continuous efforts to improve class maintenance plans, FLEETMERS are conducted periodically to validate that existing maintenance requirements meet the principles of Reliability-Centered Maintenance (RCM). These MERs incorporate requirements from all levels of maintenance across all surface ship, aircraft carrier and submarine Enterprises for selected systems. Systems are chosen based upon both fleet input and upon identification as a "troubled system" by such programs as MFOM, TMA/TMI or TSP.

FLEETMERS are intended to bring together all stakeholders from the maintenance, technical and fleet communities to review and improve Navy maintenance. They are typically held in fleet homeports in order to promote and encourage Fleet Sailor participation whose knowledge and experience is invaluable to the overall effectiveness of these MERs. It is an opportunity for the Fleet Sailors to get a first-hand look at how maintenance is reviewed based upon RCM and to provide feedback on maintenance requirements, best practices, procedures, tools, and materials based upon their years supporting the fleet.

FY10 FLEETMER Schedule was promulgated on 21 August 2009 (Ser 04RM/4243), and was modified by Naval Message (DTG 111618Z JAN 10).

Carriers, surface ships and submarines should review the FY10 FLEETMER schedule, and modification message. Specific information for each scheduled FLEETMER event will be promulgated by Naval message closer to the scheduled date. Carriers, surface ships, and submarines scheduled to be in home port during upcoming FLEETMERS should submit Fleet Sailor nominations to point of contact designated in the Naval message as early as possible to ensure coordination and funding, if required.

For further information regarding upcoming FLEETMERS or to propose a troubled system for inclusion into a FY 2011 MER, contact Marc Borkowski, (202) 781-3284, DSN 326-3284 or e-mail marc.borkowski@navy.mil.

(2-10)

COMNAVAIRFOR Work Center Standardization

Commander Naval Air Forces (COMNAVAIRFOR) has initiated a standardization of work centers to reflect work center assignment as identified in the Joint Fleet Maintenance Manual, Volume 6 Chapter 19 Appendix C1. This process includes: (1) updating the JFMM to more accurately reflect current aircraft carrier work center standard configuration, (2) identifying work center discrepancies in each ship's org file, (3) determine the number of affected configuration records, and (4) reassigning equipment configuration, as well as PMS requirements, to the respective work centers IAW JFMM. The long-term goal of this initiative is to reduce the time and effort sailors invest in managing 3M work centers.



COMNAVAIRFOR Project Team has developed the revised work center listing for incorporation into JFMM Revision B Change 3 due out in October 2010. This list has been provided to all carrier 3M organizations. All aircraft carriers should continue to submit feedback reports for LOEP changes as necessary to support equipment maintenance. However, do not submit feedback requests to align work centers. Efforts of the project team will coordinate and complete work center alignment actions.

The implementation procedures, schedule and ship's force responsibilities are under development and will be published SEPCOR.

For questions regarding the COMNAVAIRFOR directive for work center standardization, please contact:

CNAF N432 Logistics Policy & Program Mgr - Craig Williams, (619) 545-2847, byron.williams@navy.mil.
 (2-10)

A Change in Related Maintenance Applications

NAVSEALOGCEN has revised the method of designating related maintenance that provides for a better understanding of the relationships between the various types of related maintenance and the way they will be depicted on the Maintenance Index Page (MIP) and the associated Maintenance Requirement Cards (MRCs). To accomplish this, there will now be

a separate SPMIG number for each type of related maintenance.

The following SPMIG numbers will be used in the Tools, Materials, Parts, Test Equipment block on the MRC to identify the particular type of related maintenance that is required.

02000 - Mandatory related maintenance - The entire related MRC is required to be performed each time the referencing MRC is accomplished.

02200 - Conditional related maintenance - All or part of the related MRC is performed when specific conditions are either present or not met on the referencing MRC.

06700 - Convenience related maintenance - Not actually related to the check being performed but it is desirable that it be performed due to similar prerequisites, etc.

MRC Related Maintenance entries on the MIP will be designated as follows:

- If the related MRC is *mandatory* related maintenance (SPMIG code 02000), the related MRC will be listed on the MIP **with** the mandatory-required symbol (#) assigned.
- If the related MRC is *conditional* related maintenance (SPMIG code 02200), the related MRC will be listed on the MIP **without** the mandatory-required symbol (#) assigned.

- If the related MRC is *convenience* related maintenance (SPMIG code 06700), the related MRC will be listed on the MIP **without** the mandatory-required symbol (#) assigned.

If the Maintenance is Partial Related Maintenance, the steps required will actually be incorporated in the MRC as procedure steps as MRCs are revised for other technical updates. Please do not submit Feedback reports to remove Partial Related Maintenance, this will occur through standard document updates.

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** Maintenance Requirement Removal

Maintenance entries on MIPs that do not have an MRC assigned and are identified with ** (double asterisks) are being replaced with MRCs due to program requirements. Due to current staffing levels these changes cannot all be accomplished within a single Force Revision, therefore please do not submit Feedback Reports to identify these items. These updates will occur either through a MIP review or as a MIP is updated for other reasons.

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Entering TFBR Originator Information

TFBR submitters are reminded to fill in originator information to include Name, Phone, and e-mail address. This information will be useful if a NSLC Commodity Specialist needs to contact the TFBR



originator and to ensure the TFBR originator is included in the TFBR closing e-mail response. SKED users can automatically enter their e-mail address as the originator of a TFBR by entering their e-mail address to their SKED User Profile. Your e-mail address is automatically attached, as background data, as the Originator when you start the TFBR for review by the command.

How to add your e-mail address in SKED:

For SKED 3.1 users

1. Log onto SKED 3.1 with your User Name and Password. **Do not use the SKED Admin Log in.**
2. From the menu bar select Admin/Users/Change Your Information
3. In the Edit User dialog box enter your e-mail address
4. Click OK

For SKED 3.2 Users

1. Log on to SKED 3.2 with your User Name and Password
2. From the My Task tab menu bar select My Task\Update User Information
3. In the Edit User Details dialog box enter your e-mail address
4. Click OK

(4-09)

Pressure Calibrator MRC Conversion Charts

At the direction of the Naval Sea Systems Command (NAVSEA 04), the Naval Surface Warfare Center (NSWC) undertook the development of a new portable pressure calibrator for shipboard applications. The objective was to replace the Datametrics 1127-2 low pressure calibrator and absorb the majority of the calibrations currently conducted with the King Nutronics 3666-10K-2 high pressure calibrator. The new calibrator was to be lightweight, reliable, sailor friendly, supportable, and capable of meeting or exceeding the performance capabilities of the existing equipment.

The result of this effort is the Model 3731 Portable Pressure Calibrator (PPC) capable of calibrating instrumentation from 28.5 in-Hg vacuum to 6000 psig. To avoid system and calibrator contamination, PPC cases and components are color coded and designated for either 'clean' (pneumatic, refrigerant, and fresh water) or 'dirty' (seawater, oil, and fuel) applications. Calibration MRCs were developed for pressure gages and pressure switches for each of the 'clean' and 'dirty' systems fluids identified above. Calibration MRCs are provided via MIP 9802/PPC. However, many calibration MRCs still direct the use of a calibrator other than Model 3731 PPC.

Until PMS has been revised to support the new PPC please use the two tables as follows:

- a. For MIPs that identify the use of pressure calibrators other than Model 3731 PPC as related

maintenance (Model 3666 or Model 1127), refer to the attached PPC U-Card applicability matrix to select the PPC calibration MRC that substitutes (Table 1).

- b. For stand alone calibration MRCs where the specific calibrator setup steps are embedded in the MRC, for example, "testing of alarm functions and pressure transducer indicating circuits", refer to the attached PPC MRC applicability matrix to select the MRC for the instrument type, range and system fluid (Table 2). Follow the calibrator setup steps of the PPC MRC while using the remaining steps of the original MRC to accomplish the instrument calibration.

As always, submit a TFBR for any situation where sufficient guidance is not available to accomplish FCA calibration utilizing a PPC.

Questions or comments regarding the following PPC MRC Conversion Charts can be addressed to: Francis "Frank" Ditizio NSWCCD Code 9530, (215) 897-7884, DSN 443-7884, or e-mail francis.ditizio@navy.mil

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1-Mar-2010

NON-PPC TO PPC MRC CONVERSION CHART

NON 9802/PPC MIPS AND MRCS			MIP 9802/PPC MRCS					
MIP	MRC	INSTRUMENT	PNEUMATIC (AIR) & REFRIGERANT		FRESH WATER		SEAWATER/OIL/FUEL SEE NOTE 5	
9802:001 (1127)	U-1 C4AK	P/DP SWITCH	U-40 (E5HV)		U-41 (E5HT)		U-42 (E5HU)	
	U-2 C4AJ	P/DP GAGE	U-37 (E5HK)		U-38 (E5HJ)		U-39 (E5HL)	
	U-3 C4AL	VACUUM SWITCH	U-35 (E5HP)		U-35 (E5HP)		U-36 (E5HQ)	
	U-4 C4BC	VACUUM GAGE	U-33 (E5HM)		U-33 (E5HM)		U-34 (E5HI)	
	U-5 C4AM	COMPOUND SWITCH	U-46 (E5HE)		U-47 (E5HD)		U-48 (E5HF)	
	U-6 C4BD	COMPOUND GAGE	U-43 (E5HB)		U-44 (E5HA)		U-45 (E5HC)	
9802:004 (3666)	U-11 C4AQ	P/DP SWITCH SET/RESET POINTS	U-40 (E5HV) SEE NOTE 1	U-53 (E5HR) SEE NOTE 2	U-41 (E5HT) SEE NOTE 1	U-56 (F8MC) SEE NOTE 2	U-42 (E5HU) SEE NOTE 1	U-54 (E5HS) SEE NOTE 2
	U-12 C4BG	P/DP GAGE CALIBRATION POINTS	U-37 (E5HK) SEE NOTE 3	U-49 (E5HG) SEE NOTE 4	U-38 (E5HJ) SEE NOTE 3	U-55 (F8MB) SEE NOTE 4	U-39 (E5HL) SEE NOTE 3	U-50 (E5HH) SEE NOTE 4
	U-13 C4AR	222-20 SWITCH	U-51 (E5GY)		U-57 (F8MD)		U-52 (E5GZ)	
9802:007 (3461)	U-26 C4SH	P/DP SWITCH SET/RESET POINTS	U-40 (E5HV) SEE NOTE 1	U-53 (E5HR) SEE NOTE 2	U-41 (E5HT) SEE NOTE 1	U-56 (F8MC) SEE NOTE 2	U-42 (E5HU) SEE NOTE 1	U-54 (E5HS) SEE NOTE 2
	U-27 C4SJ	222-20 SWITCH	U-51 (E5GY)		U-57 (F8MD)		U-52 (E5GZ)	
	U-28 C4SK	P/DP GAGE CALIBRATION POINTS	U-37 (E5HK) SEE NOTE 3	U-49 (E5HG) SEE NOTE 4	U-38 (E5HJ) SEE NOTE 3	U-55 (F8MB) SEE NOTE 4	U-39 (E5HL) SEE NOTE 3	U-50 (E5HH) SEE NOTE 4

CLEAN APPLICATIONS	SEE NOTE 6
DIRTY APPLICATIONS	

NOTES:

- BOTH SWITCH SET AND RESET POINTS ≤ 300 PSIG
- SWITCH SET AND OR RESET POINT > 300 PSIG AND ≤ 6000 PSIG
- ALL GAGE CALIBRATION POINTS ≤ 300 PSIG
- ONE OR MORE GAGE CALIBRATION POINTS > 300 PSIG AND ALL ≤ 6000 PSIG
- CERTAIN PNEUMATIC APPLICATIONS SUCH AS CRANKCASE VACUUM CAN BE CONSIDERED AS DIRTY
- MRC U-60 (E5JB) IS THE PPC CLEANING PROCEDURE AND IS CITED AS RELATED MAINTENANCE IN MIP 9802/PPC



1-Jun-2009

PORTABLE PRESSURE CALIBRATOR U-CARD SELECTION CHART
MIP 9802/PPC

INSTRUMENT TYPE AND CHARACTERISTICS	SYSTEM FLUID		
	PNEUMATICS (AIR) & REFRIGERANT	FRESH WATER	SEAWATER/OIL/FUEL SEE NOTE 1
VACUUM GAGE (ALL CALIBRATION POINTS BELOW AMBIENT)	U-33 (E5HM)	U-33 (E5HM)	U-34 (E5HN)
COMPOUND PRESSURE GAGE (UPPER RANGE VALUE \leq 100 PSIG)	U-43 (E5HB)	U-44 (E5HA)	U-45 (E5HC)
COMPOUND PRESSURE GAGE (UPPER RANGE VALUE $>$ 100 PSIG & ALL CALIBRATION POINTS $<$ 300 PSIG)	U-37 (E5HK)	U-38 (E5HJ)	U-39 (E5HL)
PRESSURE/DIFFERENTIAL PRESSURE GAGE (ALL CALIBRATION POINTS \leq 300 PSIG)			
COMPOUND PRESSURE GAGE (AT LEAST ONE CALIBRATION POINT $>$ 300 PSIG & ALL \leq 6000 PSIG)	U-49 (E5HG)	U-55 (F8MB)	U-50 (E5HH)
PRESSURE/DIFFERENTIAL PRESSURE GAGE (AT LEAST ONE CALIBRATION POINT $>$ 300 PSIG & ALL \leq 6000 PSIG)			
VACUUM SWITCH (BOTH SET AND RESET POINTS BELOW AMBIENT)	U-35 (E5HP)	U-35 (E5HP)	U-36 (E5HQ)
COMPOUND PRESSURE SWITCH (SET AND RESET POINTS ON DIFFERENT SIDES OF AMBIENT)	U-46 (E5HE)	U-47 (E5HD)	U-48 (E5HF)
COMPOUND PRESSURE SWITCH (BOTH SET AND RESET POINTS \geq 0 PSIG & \leq 300 PSIG)	U-40 (E5HV)	U-41 (E5HT)	U-42 (E5HU)
PRESSURE/DIFFERENTIAL PRESSURE SWITCH (BOTH SET AND RESET POINTS \geq 0 PSIG & \leq 300 PSIG)			
PRESSURE/DIFFERENTIAL PRESSURE SWITCH (EITHER OR BOTH SET OR RESET POINT $>$ 300 PSIG & BOTH \leq 6000 PSIG)	U-53 (E5HR)	U-56 (F8MC)	U-54 (E5HS)
HIGH PRESSURE MODEL 222-20 SWITCH (SET AND RESET POINTS GENERALLY 1000 PSIG TO 5000 PSIG)	U-51 (E5GY)	U-57 (F8MD)	U-52 (E5GZ)

CLEAN APPLICATIONS
DIRTY APPLICATIONS

SEE NOTE 2

NOTES:

- SOME PNEUMATIC APPLICATIONS SUCH AS CRANKCASE VACUUM CAN BE CONSIDER AS DIRTY
- MRC U-60 (E5JB) IS THE PPC CLEANING PROCEDURE AND IS CITED AS RELATED MAINTENANCE IN MIP 9802/PPC



3M Support Representatives for Commander, Naval Surface Forces (CNSF)

Commander, Naval Surface Forces has 3M Representatives to provide quick and personal response to SURFOR activities on 3M issues. The names and contact info follows. COMNAVSURFOR requests that these representatives be your first point of contact to resolve Planned Maintenance System and other 3M related problems and concerns. This includes anything that prevents you from doing your job as the 3MC.

Jerry Brugger
TYCOM 3M Representative (CNSF Pacific)
Phone: (619) 556-6341
jerry.brugger@navy.mil

CTMCS Neil Watson
TYCOM 3M Representative (CNSF Atlantic)
Phone: (757) 836-3298
neil.watson@navy.mil

EMCM (SW) Rodger Doria
TYCOM 3M Representative (CNSF Pac)
Phone: (619) 556-0136
rogello.doria@navy.mil

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3M Support Representatives for Commander, Navy Expeditionary Combat Command (NECC)

Commander, Navy Expeditionary Combat Command has 3M Representatives to provide quick and personal response to NECC activities on 3M issues. The following names and contact info for the COMNECC representatives are provided as points of contact to resolve Planned Maintenance System and other 3M related problems and concerns. This includes anything that prevents you from doing your job as the 3MC.

Dave Noel
TYCOM Maintenance Program Manager
Phone: (757) 462-4613 ext 111
david.noel1@navy.mil

CMCS (SCW/EXW) Steve Neal
TYCOM 3M Representatives
Phone: (757) 462-4316 ext 127
steven.w.neal@navy.mil

CMC (SCW/EXW/AW) Brad Mcgee
TYCOM 3M Representatives
Phone: (757) 462-4316 ext 221
bradley.mcgee@navy.mil

BMC (SW) Clain McKay
TYCOM 3M Representatives
Phone: (757) 462-4316 ext 104
clain.mckay@navy.mil

LSC (SW/AW) Dave Suddoth
TYCOM 3M Representatives
Phone: (757) 462-4316 ext 431
david.suddoth@navy.mil

(2-10)

3M Team Representatives for Commander, Naval Air Forces (CNAF)

Commander, Naval Air Forces has 3M Team representatives to provide quick and personal response to AIRFOR activities on 3M issues. COMNAVAIRFOR requests that these representatives be your first point of contact to resolve Planned Maintenance System and other 3M related problems and concerns.

Craig Williams
CNAF N432 Logistics Policy & Program Manager
Phone: (619) 545-2847
byron.williams@navy.mil

Jeff Shultz
CNAL N432 Logistics
Phone: (757) 444-1165
jeffrey.shultz@navy.mil

Noreen Kirby
CNAP N432 Logistics
Phone: (619) 545-0516
noreen.kirby1@navy.mil



John Gilbert
 CNAF N436 3M/Repair Program Manager
 Phone: (757) 445-7399
 Cell: (757) 748-4136
john.l.gilbert@navy.mil

EMCM(SW) James Jennings
 CNAF N436 3M Inspection Team Lead/Schedules
 Phone: (757) 444-8949
james.t.jennings@navy.mil

MMCM(SW) Doug Marmon
 CNAF N434 3M Coordinator/Feedback Reports
 Phone: (619) 545-4354
 Cell: (757) 243-7755
douglas.marmon@navy.mil

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COMMANDER SUBMARINE FORCE 3M Support Representatives

Commander Submarine Force has positioned a 3M Representative at strategic locations to provide quick and personal response to SUBFORCE activities 3M issues. The names and contact information are provided. COMSUBFOR requests that these representatives be your first point of contact to resolve Planned Maintenance System and other 3M related problems and concerns.

Jeff Baur
 COMSUBFOR PMS Manager
 Phone: (860) 694-5333
 Cell: (860) 625-3226

Fax: (860) 694-2937
jeffrey.a.baur@navy.mil
jeffrey.a.baur@navy.smil.mil

Craig Houck
 TYCOM 3M Representative Mid-Atlantic
 Phone: (757) 967-6184
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Felix Ruiz
 TYCOM 3M Representative Southeast
 Phone: (912) 573-9676
 Cell: (912) 577-1639
 Fax: (912) 573-4777
felix.ruiz@navy.mil

Nick Milano
 TYCOM 3M Representative Northeast
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 Fax: (860) 694-2937
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Steven “Soupy” Campbell
 COMSUBPAC 3M Manager
 Phone: (808) 473-4839
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Clyde “CR” Drumheller
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Patrick Millard
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 Cell: (619) 889-7805
patrick.millard@navy.mil

(4-09)

New Submarine Force 3M Instruction

COMSUBFORINST 4790.16 was promulgated on 08 June 2009 to issue policy regarding operation of the Submarine Force 3M Program in addition to the direction provided by the Navy 3M Manual and the Joint Fleet Maintenance Manual (JFMM). All Submarine Force activities should be in full compliance with this instruction. The instruction is



available for download at http://www.fleetforces.navy.smil.mil/comsubfor/Instructions/Instructions%20Library/Forms/Inst_N4.aspx.

For more information, COMSUBFOR point of contact is: Jeff Baur, Commercial (860) 694-5333, or e-mail jeffrey.a.baur@navy.mil.

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Accessing PMS Force Revision Reports from the PMS CDROM/DVD

Effective FR 3-09, NSLC will no longer print paper copies of the PMS Force Revision Reports. The force revision reports may include the Automated Library Issue Document (ALID), Activity to MIP to Work Center (PMS-4), Activity to MIP to Work Center by Department (PMS-4A), List of Effective Page (PMS-5), Classified MRC to MIP Inventory List, MIP to Hull Matrix (PMS-16), and/or Technical Feedback Report by Hull (PMS-22). Each activity's assigned force revision reports will be available on their CDROM or DVD.

Use the following procedures to access the PMS Force Revision reports:

1. Browse to the PMS CDROM or DVD.
2. Locate the file "PMSReportViewer.exe", right-click and select "Open".
3. Using the Activity Code pull-down option, locate your command's UIC or hull number and highlight it. This will display the report(s) in the Reports Available box. **OR**

4. Using the Mgt. Group pull-down option, select the TYCOM for your command and highlight it. This will display all the reports for commands assigned to this TYCOM in the Reports Available box.
5. Double-click on the file name and this will launch Adobe Reader. Using the Print option, you can now print your reports for distribution.

NOTE: The file name will contain either a "p" or "l" after the underscore. This is there to indicate whether the report needs to be printed in Portrait (p) or Landscape (l).

6. The following breakdown is also provided to assist in choosing the proper print option for the different reports:

<u>Portrait</u>	<u>Landscape</u>
ALID	PMS-16
PMS-1 (Activity Listing)	PMS-22
PMS-2A (MIP to Hull)	
PMS-4	
PMS-4A	
PMS-5	
PMS-6A (MIP to RIC/TM/HULL)	
Classified MRC to MIP Report	

If you have any problems with accessing or printing these reports from the PMS CDROM or DVD, technical support is available from the following:

PAC Activities: Contact NSLC Det San Diego, Code 05352, Commercial (619) 556-0723, DSN 526-0723 or e-mail PMS@navy.mil

LANT Activities: Contact NSLC Det Norfolk, Code 05351, Commercial (757) 967-3404, DSN 387-3404 or e-mail PMS@navy.mil

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Request for Replacement Copy of Classified Maintenance Requirement Card (MRC)

Reminder: Request for re-issue of classified documents must include justification. If a classified document is damaged beyond use or you have not received your updated documentation, submit a PMS feedback report (TFBR) requesting a copy of that MRC. Ensure to include the MRC SYSCOM number and justification for replacement copy on the feedback report. The self-addressed acknowledgement of receipt card is required to be signed and returned to appropriate NAVSEALOGCENDET.

If you have any questions, NSLC points of contact are:

PAC Activities: Faye Evans (619) 556-0624, DSN 526-0624 or e-mail maureen.f.evans@navy.mil

LANT Activities: Francis Buraczenski (757) 967-3426, DSN 387-3426 or e-mail francis.buraczenski@navy.mil

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PMSVIEWER

PMSViewer Update

While viewing and/or printing PMS documents with earlier versions of the PMSViewer, various formatting anomalies may occur. Please be sure that your PMSViewer resource version is 2.0.0.0 or higher (see steps below). If you have installed PMSViewer since FR 4-05 or installed the PMSViewer Update, you do not need to update PMSViewer.

Determine the Resource version for PMSViewer or the version of IE installed on your workstation. Perform the following:

1. Open PMSViewer, select from the Menu bar **Help>About PMS Resources...**
2. In the About PMS Resources dialog box, **Resource version 2.0.0.0** should be listed.
3. Open Internet Explorer, select from the menu bar **Help>About Internet Explorer**.
4. The version number is displayed in the Internet Explorer dialog box.

If the Resource version is not 2.0.0.0 or you are using IE 5.5 or below, uninstall PMSViewer and reinstall using the current FR PMS CD-ROM or the new PMS DVD. To uninstall and reinstall, perform the following:

1. Ensure the PMSViewer application is not running.

2. Click Start and click Control Panel.
3. Click Add or Remove Programs.
4. In the list of applications, select PMSViewer and click Remove.
5. Click Yes.
6. Close Add or Remove Programs and close Control Panel.
7. Click Start and click Run.
8. Browse to the CD or DVD, and double-click Setup.exe.
9. This will install the newer version of the PMSViewer.
10. Restart the PMSViewer application and the issue should be corrected.

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Users of PMSVIEWER Need to Replace PMSRC.DLL

Users of PMSViewer will need to replace the PMSRC.DLL located in the PMSViewer folder in C:\Program Files.

1. Ensure the PMSViewer application is not running.
2. From the Force Revision CD or DVD, browse to the Resources folder.
3. Copy the file "PMSRC.dll" from the resources folder on the CD or DVD, to C:\Program Files\PMSViewer\ on your computer, overwriting the previous version of PMSRC.dll.
4. Restart PMSViewer application. Verify that it operates normally.

For questions regarding problems with installation, printing, etc., with the PMS CD or DVD contact one of the following:

PAC Activities: Commercial (619) 556-0723, DSN 526-0723 or e-mail donald.morrison@navy.mil

LANT Activities: Commercial (757) 967-3404, DSN 387-3404 or e-mail rebecca.r.johnson@navy.mil

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CD-ROM and DVD Installation & Operation Troubleshooting Guide

The following explains how to deal with common problems that have been reported while using the NAVY PMS CD-ROM. If you cannot find the answers to your question or problem, contact NAVSEALOGCEN DETs for technical support. The POCs and their phone numbers are contained in the Readme file on the CD-ROM and the new PMS DVD.

System Requirements:

- Computer with Pentium 166 MHz processor or higher.
- Windows 98, Windows ME, Windows NT 4.0, Windows 2000, Windows XP.
- 64 MB of RAM.
- 20 MB of hard drive space.



Note:

1. The preferred Microsoft Internet Explorer version is 6.0 or later for the PMSViewer to be installed on the machine viewing the PMS cards. Internet Explorer version 5.5 can be used to view the documents; however, some printer irregularities may occur when printing in landscape mode.
2. The existing PMSViewer software version 2.0 will work with current FR PMS CD-ROM and the new DVD data. The CD-ROM or DVD Readme file contains a full description of features.
3. The installation of the PMSViewer requires administrative rights. If you already have PMSViewer installed, you do not need to reinstall it. However, you must copy from the latest CD or DVD the new SPMIG.MDB file to C:\Program Files\PMSViewer\data, and the Documents folder to
C:\Program Files\PMSViewer\data\Documents.

Installation Tips:

The instructions for installing the PMSViewer software are located in the README.RTF file located on the Navy PMS CD or Navy PMS DVD.

For additional assistance, contact your local LAN Administrator or contact the following:

PMS CD-ROM and PMS DVD

For questions regarding problems with installation, printing, etc., with the PMS CD-ROM or PMS DVD contact one of the following:

PAC Activities: Commercial (619) 556-0723, DSN 526-0723 or e-mail donald.morrison@navy.mil

LANT Activities: Commercial (757) 967-3404, DSN 387-3404 or e-mail rebecca.r.johnson@navy.mil

For additions, changes or deletions to PMS CD-ROM or PMS DVD distribution contact one of the following:

PAC Activities: Commercial (619) 556-0624, DSN 526-0624 or e-mail maureen.f.evans@navy.mil

LANT Activities: Commercial (757) 967-3405, DSN 387-3405 or e-mail jon.winoker@navy.mil

For additions, changes or deletions to Activity Files (e.g. mailing address, points of contact, e-mail, phone number), contact one of the following:

PAC Activities: Commercial (619) 556-0624, DSN 526-0624 or e-mail maureen.f.evans@navy.mil

LANT Activities: Commercial (757) 967-3418, DSN 387-3418 or e-mail alice.gusti.ctr@navy.mil

