

**PLANNED MAINTENANCE SYSTEM  
SERVICE BRIEF**



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## **SURFACE SHIP MAINTENANCE EFFECTIVENESS REVIEW (SURFMER) UPDATE**

SURFMER, the NAVSEA program to reduce surface ship and aircraft carrier maintenance workload while preserving equipment reliability and personnel safety continues working to provide the Navy the best possible PMS deck.

Earlier SURFMER cycles focused on Fleet man-hour savings. While SURFMER continues to do so, it also evaluates other parts of the PMS card. This includes verification of correct tools, parts and consumables required to perform the PM, evaluation of HAZMAT and personal protective equipment (PPE) requirements and the addition of a "statement of relevance" to the MRC. This statement which appears as a note after each task, explains to the Sailor exactly how the check is helping to preserve the reliability of the equipment, i.e., why he is doing the task.

Since the last PMS Force Revision (FR 1-00) there was an intermediate revision, PMS Special Issue 1-00A. This special issue included changes made to MRCs as a result of the Integrated Ship Maintenance and Supply Readiness (ISMSR) PMS feedback's, Surfmer cycles 26, 27, 28 and updated results from SURFMER cycles 2 through 9 and 22. The anticipated annual Fleet PMS workload reduction delivered by SI 1-00A is approximately 113,000 man-hours.

This Force Revision (2-00) will include the results of SURFMER Cycle 29. Conducted in Crane IN during the week of 19 June 2000, SURFMER 29 focused on electronics and electronic warfare systems, to include SLQ-32, SLA-10, 2M equipment and optical equipment. When implemented by this Force Revision, these changes should result in additional workload savings of approximately 83,000 annual man-hours or about a 35 percent reduction for the equipment reviewed. Of the 300+ MRCs reviewed, 75 had updates made to procedures and 66 had changes made to tools parts and consumables.

Continue to look for improvement to your PMS deck as the results of SURFMER appear in this and

subsequent PMS force revisions. As a reminder, every MIP that has been reviewed by the SURFMER process will have a statement on the top of the card telling you that it's been reviewed.

As always, Fleet input is requested. Recommended systems for future SURFMER review or comments regarding the SURFMER process should be forwarded directly to COMNAVSEASYSKOM, SEA 04M1 via naval message or letter.

### **SHIPBOARD AMMUNITION MAGAZINE THERMOMETERS**

OP 4, Ammunitions Afloat, requires that at least one bimetallic thermometer be placed in each designated ammunition magazine or locker. OP 4 refers to S9086-RJ-STM-000, NSTM Chapter 504, which identifies the calibration requirement for these thermometers. NSTM Chapter 504 states that the thermometers shall be calibrated at intervals specified in the MRC or NAVSEA OD 45845, Metrology Requirements List (METRL). NAVSEA OD 45845 specifies the calibration interval for bimetallic thermometers are 36 months. It also states the thermometers shall be calibrated IAW PMS documentation.

MRCs DVYX (MIP 7000/X01), DVYX (MIP 7000/X02), and DXZF (MIP 7000/X04) require that these thermometers be verified to be in working order and in calibration as part of the daily ammunition magazine inspection.

There is no PMS, which addresses the actual calibration of these thermometers. However, calibration PMS for these thermometers is being developed, and it will be provided by PMS Force Revision when available.

The COMNAVSEASYSKOM SISCAL Program Manager will address with cognizant activities the updating of applicable instructions/manuals.

### **SHIPBOARD CHANGES TO MRCs**

Numerous feedbacks are being received that pertain to changes that can be made by shipboard personnel. Paragraph 3-4.8 of OPNAVINST 4790.4C lists the changes that shipboard personnel

can make to MRCs and provides the procedures for making the changes.

## **EXPLOSIVE PROOF LIGHTING FIXTURES**

Naval Surface Warfare Center, Carderock Division (NSWCCD-SSES) has issued MIP 3301/008-XX for explosive proof lighting fixture. Activities requiring this MIP should submit TFBR to have MIP added to LOEP.

FTSCPAC point of contact is Code 401BG at DSN 524-2385, commercial (619) 524-2385, or e-mail 401@ftspac.navy.mil

## **PLANNED MAINTENANCE SYSTEM WEB PAGE**

Information pertaining to the Planned Maintenance System (PMS) can now be accessed via the FTSC command websites. The sites have recently been revised to provide more information pertaining to PMS programs and services. The site provides three major areas of information and a PMS Comment form for customer feedback.

1. Services, provides three forms for the user to submit. One, for access to the PMS On-line Text database system. (The system is restricted to PMS authors/editors such as ISEA's and is not available for fleet use), the second is for fleet and other activities to submit address changes, and the third is for submitting an automated Technical Feedback Report (TFBR, OPNAV 4790.7B). Simply click on the applicable form, fill out the information and we will process.

2. Information provides detailed information concerning PMS. Presently information concerning Force Revisions, Sked 2 and reference documents are provided.

3. Downloads, provide the user access to downloadable programs. Presently the SPMIG, PMS text editor NPE and Sked are available for download. We highly recommend users access the site monthly after the 10<sup>th</sup>, when the latest SPMIG, Sked, and other information and programs are updated. The site can be accessed via the following.

1) Via FTSCPAC: [www.ftspac.navy.mil](http://www.ftspac.navy.mil), Click on: Integrated Logistics, Click on: 401-PMS.

2) Via FTSCCLANT: [www.ftscclant.navy.mil](http://www.ftscclant.navy.mil), Click on: PMS

E-mail can be sent directly from the site, for further information contact FTSCPAC @(619) 524-2647, or FTSCCLANT @(757) 485-6221.

## **SHORE ACTIVITIES**

### **Activity Name/Phone Number/Address/Code**

Many phone area codes and prefix numbers have changed. Do we have your current phone number? Do you have an e-mail address? Is everything on your address correct?

Do we need to update any of the information to expedite mail delivery? When corresponding it is VERY IMPORTANT to reference the UIC number in the upper right corner of your address label. Some contain alpha characters and it is especially important to reference these to ensure we make changes to the correct label.

The FTSCPAC point of contact is Code 401BA, DSN 524-3518, Commercial (619) 524-3518, or email 401@ftspac.navy.mil

The FTSCCLANT point of contact is Code 4103, DSN 961-6473, Commercial (757) 485-6473, or email rowland\_woodard@ftscclant.navy.mil

## **RECOVERY ASSIST SECURING AND TRAVERSING (RAST) SYSTEM**

The Recovery Assist Securing and Traversing (RAST) System MIP 4926/AST has been changed from MIP group 4926 to MIP group 5882 in Force Revision 2-99 from 4926/AST to 5882/012-49 and is located on CD-ROM for your ship class. The FTSCPAC point of contact is Code 401BM at DSN 524-2386, or COMM (619) 524-2386 or e-mail: 401@ftspac.navy.mil

## **PERIODICITY CHANGE**

4M and 8M periodicities are no longer being used. 9M periodicity has always been authorized, but seldom used. Accordingly, Paragraphs 3-4.4 b. of

OPNAVINST 4790.4C is being modified to include "9M - Every 9th month" periodicity and delete 4M - Every 4th month and 8M - Every 8th month. Also, xM - Every x months is being changed for clarity to "xM - Every x months in 6 month increments (18M, 24M, 30M, etc)

Paragraph 3-4.11.1.2 b. (4) (a) 3. of OPNAVINST 4790.4C is being modified to delete 4M and 8M and add 9M.

Paragraph 3-4.11.2.2 h. (2) is being modified to (1) change sub-step (a) to "9M-Every 9 months within the interval between 7 and 11 months and to (2) delete sub-step (c) referring to 8M.

The FTSC/LANT point of contact is Code 4133, DSN 961-6208, commercial (757) 485-6208, or email: rowland\_woodard@ftsclant.navy.mil

### **PMS 4A DEPARTMENTS**

We are receiving TFBRs requesting that certain work centers appear in a different department on the PMS 4A reports. The computer selects on the first letter of a work center (with one exception) to determine the applicable department for the PMS 4A report. Exceptions cannot be made for individual hulls. Please use the following table when requesting transfer of equipment to another department.

C (except CS)	Communications Department
W, D, CS	Weapons Department
O	Operations Department
N	Navigation Department
M	Medical/Dental Department
S	Supply Department
E	Engineering Department
A	Aviation Department
I	Air Intermediate Maint.
V	Air Department
T	Training Department
X	Administrative

### **ELECTRONIC TFBRs**

OPNAVINST 4790.4C chapter 3-4.15 heading states: PMS TFBR Form (OPNAV 4790/7B or approved automated form). To accommodate an Automated form and to eliminate the problems associated with hardcopy TFBRs, the PMS program has instituted an

Electronic TFBR process whereby TFBRs (Category A and B) can be submitted electronically. The form is available via the Internet by accessing the FTSC websites and the TFBR manager in Sked 2.1. Processing of automated TFBRs will remain unchanged once received by FTSC.

Electronic Technical Feedback Reports (TFBRs) dealing with changing of work centers, adding or deleting equipment should be flagged as 'other' or 'non-technical'. These TFBRs go directly to the LOEP manager for that ship or activity. This person processes the TFBR by making the appropriate LOEP transactions or transferring it to the cognizant commodity specialist if it is technical. A TFBR flagged as 'technical', that is not technical in nature, delays the response time.

If not submitted electronically, all TFBRs should be mailed to the appropriate Fleet Technical Support Center address and code listed on the front of this service brief. When a TFBR consists of more than one page, use the same serial number for all pages.

### **SHORE ACTIVITY PMS TFBRs**

Recently, there has been an increase in the number of TFBRs originated by shore activities. Many of these TFBRs have been received with missing Unit Identification Code (UIC). Before processing can be accomplished, incomplete TFBRs must be researched to insert the missing data. All Shore Activity PMS users are requested to ensure that correct UIC information is present and properly identified as the UIC number (not to be confused with ZIP code). Because of the limited personnel resources available to provide research, incomplete TFBRs will be returned to the originator. FTSC/PAC POC is Code 401BI at DSN 524-2662, or COMM (619) 524-2662, email: 401@ftscpac.navy.mil

### **LACK OF ADEQUATE TECHNICAL DESCRIPTION (LATD)**

Many Technical TFBRs (OPNAV 4790/7B) are being received at the FTSC's lacking adequate technical description (LATD).

Information required by FTSC's to identify the equipment requiring PMS should include as many of the following data elements as possible:

1. APL/CID/AN Nomenclature/MK & MOD
2. Technical Publication Number
3. NAVCOM Plan Number (s)
4. Name Plate Data
5. Service application & applicable work centers
6. SHIPALT, MACHALT, BLUEPRINT, and CONFIGURATION CHANGE DATA
7. Provide a copy of the EOI report provided by the installing activity if available
8. Provide copies of appropriate pages and diagrams from tech manuals.

### **EOSS AND CSOSS TFBRs**

The EOSS and CSOSS TFBR systems are separate from the PMS System.

Distribute the TFBR copies as follows:

1. White and yellow copies to NSWCCD (EOSS) and FCDIT (CSOSS) for both category "A" and category "B" TFBRs. The white copy will be returned with the requested material for category A feedbacks. No copies will be returned for category B TFBRs.
2. Pink copy to appropriate Type Commander.
3. Blue retained by the EOSS/CSOSS Coordinator.
4. Green to the originating work center.

**Sending the white copy to any organization other than NSWCCD Code 943 for EOSS and FCDIT for CSOSS will result in a longer time to receive a response.**

Mailing Address for **EOSS**:

NSWCCD  
 Naval Surface Warfare Center  
 Carderock Division Code 943  
 Philadelphia Naval Business  
 Philadelphia PA 19112-5083

Mailing Address for **CSOSS**:

Officer in Charge  
 ATTN LCM  
 FCDIT  
 1455 D St  
 Norfolk VA 23521-2499

### **STANDARD PARTS MATERIAL INFORMATION GUIDE (SPMIG)**

The Standard Parts Materials Information Guide (SPMIG) has been updated so that the Tools, Parts, Material, and Test Equipment block of MRCs will not display unique unit of issue or sizes. Items having multiple Unit-of-Issue or size modifiers have been assigned new SPMIG suffix numbers, or the Unit of issue for a specific NSN (i.e. 55 gal, 12 per box, etc.) was moved to the Remarks section as appropriate. Complete SPMIG data is available on the PMS CD-ROM, monthly updates can be downloaded by World Wide Web users at <ftp://www.ftslant.navy.mil/pms/spmig/spmigset.exe> or by accessing the FTSC web sites at [www.ftslant.navy.mil/pms/spmig](http://www.ftslant.navy.mil/pms/spmig) and [www.ftspac.navy.mil/integrated Logistics/401-PMS/Click SPMIG](http://www.ftspac.navy.mil/integrated%20Logistics/401-PMS/Click%20SPMIG) under Downloads. Printed copies of the SPMIG are outdated and should be discarded.

All MRCs on the Force Revision PMS CD-ROM will display the updated SPMIG information. Affected hardcopy MRCs will not be reissued until other revisions are required. Users that have hardcopy MRCs with inappropriate unit of issue or size modifiers may view and print the updated version from the PMS CD-ROM, or continue to make appropriate substitutions per chapter 3-4.8 of OPNAVINST 4790.4C.

FTSC POC is Jim Melton DSN 961-6131, COMM (757) 485-6131 or e-mail: [jim\\_melton@ftslant.navy.mil](mailto:jim_melton@ftslant.navy.mil)<[mailto:jim\\_melton@ftslant.navy.mil](mailto:jim_melton@ftslant.navy.mil)>

### **RECEIPT OF PMS PRODUCTS**

Each Force Revision package mailed is marked with a red trimmed label with the hull or UIC number of the activity and the number of boxes shipped. If you do not receive the number of packages indicated, check with your local postal support activity and contact us immediately (preferable e-mail). When corresponding tell us the number of the boxes you did receive so we know what portion to reprint. FTSC/LANT point of contact is Code 4103 DSN 961-6105, Commercial (757) 485-6105,

e-mail rowland\_woodard@ftsclant.navy.mil.  
FTSCPAC point of contact is Code 401B,  
DSN 524-2402, Commercial (619) 524-2402,  
e-mail olinger1@ftscpac.navy.mil

### **PMS CD-ROM**

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

**FTSCPAC** point of contact is Code 401P. DSN 524-2408, COMM (619) 524-2408, e-mail 401@ftscpac.navy.mil.

**FTSCLANT** point of contact is Code 4133. DSN 961-6105, COMM (757) 485-6105, e-mail rowland\_woodard@ftsclant.navy.mil.

### **ADDITIONS/CHANGES/DELETIONS to CD-ROM Distribution**

**FTSCPAC** point of contact is Code 401BA. Telephone number is DSN 524-3518, Commercial (619) 524-3518, e-mail 401@ftscpac.navy.mil.

**FTSCLANT** point of contact is Code 4133D. Telephone number is DSN 961-6473, Commercial (757) 485-6473 e-mail rowland\_woodard@ftsclant.navy.mil.

### **CD-ROM INSTALLATION AND OPERATION TROUBLESHOOTING GUIDE**

The following explains how to deal with common problems that have been reported while you are using the NAVY PMS CD-ROM. If you cannot find the answers to your question or problem, call FTSC for technical support. The POCs and their phone numbers are contained in the READ.ME file on the CD-ROM, the back of the CD-ROM jewel box, or email: 401@ftscpac.navy.mil

### **GENERAL TIPS**

**SYSTEM:** There are several things you can do to make the CD-ROM run better on your system. Use a 486 or better computer with at least 32MB of RAM. It is possible to run on a machine with only 4MB of

RAM. However, the performance may not be acceptable. Refer to the "System Requirements" on the back of the CD jewel box for additional requirements.

**STARTING:** The password is "NAVYPMS".

### **INSTALLATION TIPS:**

Remember to treat each new CD ROM as if it were being installed on your machine for the first time each FR. Old indexes must be overwritten so the new CD will work and not appear defective. Follow the "Installation Procedure" on the back of the CD jewel box.

### **PRINTER TIPS:**

The designed printer is a H.P. Laser Jet II. If you are experiencing problems load HP Laser Jet II Drivers and try again. Resolution should be set to 300 DPI.

### **PMS CD-ROMs ON LOCAL AREA NETWORKS**

The PMS CD-ROMs were originally designed as a stand-alone application. However, these CDs can be operated from Local Area Networks.

Since most networks have their own operating peculiarities, the following general information is furnished:

For Novell based systems each PMS CD must have a single drive map, e.g. Combat Systems 1 and Combat Systems 2 must each have their own drive letter mapped.

For UNIX based systems, a single drive is not required to be mapped for each CD. The CDs are mounted based on the individual's login.

For additional assistance contact your local LAN Administrator or Code 401P at DSN 524-2408, Commercial (619) 524-2408 or e-mail: 401@ftscpac.navy.mil

## CREATING A LOEP FROM PMS CD-ROMS

Currently the PMS CD-ROM does not allow for the capability to directly print LOEPs. However, LOEP information can be created by clicking on the Edit Icon, after you have performed the SET Hull function. Close the PMS CD's. Open PMS CD's and double click on the workcenter EDIT Icon. The password is NAVYPMS and DO NOT CHANGE THE PASSWORD. You can then move, copy, and delete maintenance from one workcenter to another and have it printed. Procedure for creating a Loep:

“Depress the “P” key to send the information to a file titled PMSEEDIT.TXT within the NAVY PMS directory.

If a listing of MIPs is desired select “YES” in the print MIPs window.

To print the MRCs listed and turned on for each MIP select “YES” in the MRC Window.

Close the PMSEEDIT application.

Open Windows Explore for Windows 95 and NT users or File Manager for Windows 3.1 users.

Open File Folder “NAVYPMS”

Open File “PMSEEDIT.TXT”

Associate this file to “Notepad”

Select the Work Center desired and delete the rest of the information.

Open menu “File”

Select “Print”

Close Note Pad.

This process has to be repeated for each work center that desires a LOEP style listing.”

FTSCPAC POC is Code 401P at DSN 524-2408, COMM (619) 524-2408, or e-mail: 401@ftscpac.navy.mil

## INSTALL PROCEDURES FOR SKED 2.1 ON IT-21 CONFIGURED PLATFORMS

Installing Sked 2.1 on IT-21 workstations must be accomplished using the Manage Installs Utility. The Manage Installs Utility allows a system administrator to add or delete the software installed for each of the GotsDelta Installation Types.

The Manage Installs Utility is found in either the IT21 Tools folder on the desktop or in the IT21 Tools

Program Group in the Startup/Programs Menu. The IT21 Tools folder or program group is only available to the Installer user account or a system administrator user account created by copying the “\_IT21Admin” user template.

The main Manage Installs menu lists the different types of GotsDelta Installation Types. The Sked 2.1 Program will be installed onto the Workstation Installation with the steps provided.

1. Open Manage Installs Utility.
2. Highlight workstation, and select Edit.
3. The Modify Workstation Installation box should appear with a list of Workstation applications. (The “GotsDelta SW Package” and “Include Cots Load” checkboxes **should be** selected. “This is a Server load” checkbox **should not be** selected.)
4. Select Add, add the Setup.exe from the Sked 2.1 install and click finish.
5. Log on each workstation as an Installer, IT-21 should find Sked not installed and run the Sked 2.1 install. When Prompted for type of install choose the Client files only install.
6. When the Install completes, change the Sked2.ini file located in the WINNT directory to Read, Write and Execute (RWX).
7. Follow the same procedure for the FBR Manager. The FBR Manager Setup must remain in the FBR Setup directory under the Installation directory of Sked2 on your Server.

If you experience problems accessing your workcenters, not being able to create a new workcenter or add a workcenter to list, then you must follow the procedures above.

## SKED and ELECTRONIC TFBRs

The latest version of the Automated PMS Scheduler, SKED 2.1, which was distributed with Force Revision 4-99, includes a FBR management program that will allow the generation and management of PMS Technical Feedback Reports (TFBR) electronically. The FBR manager program requires the use of windows 95/98/NT Operating

systems. The FBR manager will not work with Windows 3.11, however, the other functions of SKED 2.1 will work with Windows 3.11.

SKED version 2.1 introduces the electronic feedback report wizard which in combination with the feedback report manager, provides the capability to generate PMS Technical Feedback Reports (TFBRs) directly from SKED. The feedback report manager, when used on a local area network, makes it possible to completely process a TFBR electronically. This includes the review and approval process, TFBR log, filing and status of TFBRs. Workcenter supervisors, Division Officers, Department Heads and 3-M Coordinators can log on to the feedback report manager and open selected TFBRs for review and approval. The feedback report manager produces a data file containing the approved TFBR(s) in a form suitable for transmission to the Planned Maintenance System Management Information System (PMS MIS). The preferred means of transmission is via the web version of RADCOM. The data file is also suitable for attachment to E-mail or SALTS messages addressed to: [feedbacks@seajax.navy.mil](mailto:feedbacks@seajax.navy.mil). This method will not work with legacy RADCOM. New help topics in the SKED and feedback report manager programs provide additional background and detailed instructions for using this new feature.

In addition to minor changes in SKED, a cycle schedule option has been added to display schedule quarter after overhaul numbers for all checks. This option is intended for use by units that routinely create schedules longer than the normal 13 week Quarterly schedule. Details are provided in the Readme file on the SKED CD.

Technical support is available for PMS scheduler from the FTSCs. Contact FTSCPAC at DSN 524-2408 (619)524-2408, E-mail [401@ftspac.navy.mil](mailto:401@ftspac.navy.mil) or FTSCCLANT at DSN 961-6221 (757)485-6221 e-mail [rowland\\_woodard@ftsclant.navy.mil](mailto:rowland_woodard@ftsclant.navy.mil)

## SKED TRAINING

ATG PAC/LANT 3M Team is offering a one-day SKED class. The class is a hands on work shop that

will cover the creation of new work centers and installing Force Revisions. For more information:

ATGPAC point of contact is EMCS(SW) LaCasse at COMM (619)556-1792, DSN 526-1762 or e-mail: [lacasse.kenneth@atgpac.navy.mil](mailto:lacasse.kenneth@atgpac.navy.mil) or Mr. Larry Plambeck at (619)556-5794.

ATGLANT point of contact is ET1 James McFadden at COMM (757) 444-9612.

## SKED INTERFACE

SKED interface is now available on COMBAT SYSTEMS and HULL, MECHANICAL and ENGINEERING PMS CD-ROMS.

a. Functionality has been added to the PMS CD-ROMs; Combat Systems (CS1 and CS2) and Hull, Mechanical and Electrical (HM1 and HM2) that will allow importing PMS data to SKED.

- a. The procedure to import data from the CD is:
- 1) Place the PMS CD-ROM (any CS or HM&E) into the CD-ROM drive.
  - 2) Open the PMS SKED program.
  - 3) Click on **FILE** and select **NEW**.
  - 4) Follow the WIZARDS (SKED 2.1) in SKED to import from the PMS CD-ROM.
  - 5) When the MIP list comes up, simply select the MIPs assigned to the workcenter being built.

NOTE: There is only one (1) Hull number and one (1) work center listed on each CD-ROM. Simply click the next button when you get to the hull/work center selection screen. This will list ALL MIPs on the CS1, CS2, HM1, or HM2 CD-ROM, depending on which one is loaded. It could take approximately **30 minutes or more** to import the data because the program must search all MIPs.

## PC CONFIGURATIONS FOR VIEWING AND PRINTING PMS DOCUMENTS

The PMS CD-ROM application is designed to operate across the numerous PC configurations and operating systems in use throughout the Fleet today. In order to accomplish this the application is designed to operate using the IT21 minimum configuration settings. Whenever the configuration is changed, the operator will more than likely encounter difficulty viewing and/or printing PMS documentation. For best results, we recommend the default printer be a HP LaserJet II or III. Load and run one of these drivers regardless of the model printer attached to the PC. Perform the "add printer" function and load the HP II or III driver in addition to the normal driver installed for your particular printer model. To ensure optimum performance the following configurations should be set on the PC before attempting to view or print PMS documentation from the CD-ROM. In most cases these configurations will provide satisfactory results.

<b><u>OPERATING SYSTEM</u></b>	<b><u>MONITOR/RESOLUTION/SCREEN COLORS</u></b>	<b><u>PRINTER/QUALITY</u></b>
Windows 3.1/3.11	VGA or SVGA/ 640x480/ 256 max	HP II or III/ 300dpi
Windows 95/98	VGA or SVGA/ 1024x768/ 256 max	HP II or III/ 300dpi
Windows NT 4.0	VGA or SVGA/ 1024x768/ 256 max	HP II or III/ 300dpi