

**PLANNED MAINTENANCE SYSTEM
SERVICE BRIEF**



VOL 80

FR 2-01

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**SURFMER
EFFECTIVENESS REVIEW
(SURFMER) UPDATE**

SURFMER, is NAVSEA's program to reduce surface ship and aircraft carrier maintenance workload while preserving equipment reliability and personnel safety. A Smartship program outgrowth, SURFMER combines RCM principles, the knowledge of Navy In Service Engineers (ISEs) and the experience of Sailors to make shipboard PMS more cost effective. Since its inception in 1997, SURFMER has reviewed over 70% of shipboard PMS and resulted in a decrease of more than 40% of PMS workload.

It is very important to note that since SURFMER has eliminated much of the unnecessary PMS that once existed, all remaining tasks are more important than ever to preserve safe and reliable operation of systems and equipment. Of particular concern are situational, or “R” tasks. In helping to make the transition to Condition Based Maintenance, SURFMER has changed many MRCs from calendar scheduling to situational scheduling. It is imperative that work center supervisors are thoroughly familiar with the situational triggers that prompt the need for PMS “R” checks. Please emphasize this point with all work center supervisors on your ship.

SURFMER is a continuous improvement initiative. In addition to reviewing PMS that has not yet been SURFMERed, we are revisiting systems that have previously been SURFMERed to ensure changes have the intended effect. In addition to validating the need to perform each task and its frequency, current SURFMER cycles include: 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 why the task is performed.

Since the last PMS Force Revision (FR 1-01) NAVSEA has completed SURFMER cycles 33 at Keyport Washington, 34 at CSS Panama City and 35 at Lakehurst NJ. The table below summarizes FR 2-01 SURFMER results (the asterisk indicates it has been revisited since an earlier SURFMER):

SURFMER CYCLE	SYSTEMS EXAMINED	ESTIMATED % REDUCTION
33	Mine Hunting*, Navigation*, Torpedoes, Underwater Fire Control*	14
34	Mine Countermeasures*, LCACs, Breathing Apparatus*	33
35	Catapults*, Arresting Gear*, Visual Landing Aids*, Aircraft Handling*	6

Continue to look for improvements to your MRCs and additional reductions in your PMS workload as the results of SURFMER appear in this and subsequent PMS force revisions. As a reminder, every MIP that has been reviewed by SURFMER will have a statement on 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 04M1 via naval message or letter. (2-01)

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. (1-00)

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 10th, when the latest SPMIG, SKED, and other information and programs are updated. The site can be accessed via the following.

1) Via FTSCPAC: www.ftscpac.navy.mil, Click on: Integrated Logistics, Click on: 401-PMS.

2) Via FTSLANT: www.ftslant.navy.mil, Click on: PMS

E-mail can be sent directly from the site, for further information contact FTSCPAC @(619) 524-2647, or FTSLANT @(757) 443-3872 ext 1877. (2-97)

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 401CR, DSN 524-2647 Commercial (619) 524-2647, or email 401@ftscpac.navy.mil

The FTSLANT point of contact is Code 4133D, DSN 646-3872 ext 1819, Commercial (757) 443-3872 ext 1819, or email rowland.woodard@ftslant.navy.mil (1-00)

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 (2-00)

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.

To enhance the processing of feedback reports, please ensure that the hull number or UIC number is

correct on your feedback. If numbers are transposed and the result is a valid number for another activity in our file, then the feedback is tracked for the wrong activity as well as the response going to the wrong place. If you are a LOEP customer, the correct activity ID to use is the activity ID in the upper left on your LOEP. This is our primary way of identification for everyone. This is especially important for small craft that do not have individual LOEP's under their hull number but are identified as a work center under the parent UIC.

Since there are often many different MIP's in one MIP group, if the subject of your feedback is a documentation discrepancy for one particular MIP, fill in the entire MIP number in the appropriate field (i.e., 6641/003 not 6641/000). Fill in the MRC number in the appropriate field if applicable. Since the system is automated the MIP field is the key to assigning the feedback to the appropriate commodity specialist.

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. (2-01)

FEEDBACK SERIALIZATION

Refer to OPNAV 4790.4C, Page 3-44, Paragraph 3-4.15.2a(2) concerning Serialization of Feedback.

"...The feedback report serial number will consist of two parts separated by a dash: A four-digit sequence number and the last two digits of the calendar year. The date will change on 1 January of each year but the number sequence will continue, i.e., 4241-93,

4242-94. The sequence number will start with 1 and not repeat until 9999 has been reached. (2-01)

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. (1-98)

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.

For additional information the homepage address for EOSS is <http://eoss.navsses.navy.mil>.

Mailing address for EOSS and all other Operational Sequencing Systems feedback **EXCEPT CSOSS** should be sent to:

EOSS:

Commanding Officer
ATTN Code 943 J Grugan EOSS PROG Bldg 4
NSWCCD-SSES
5001 South Broad Street
Philadelphia PA 19112-1403
Email: <http://eoss.navsses.navy.mil>

Mailing Address for **CSOSS:**

Officer in Charge
ATTN Technical Support TFBR Coordinator
FCDIT Little Creek
2340 Amphibious Drive Ste 125
Norfolk VA 23521-2843
Email: fbr@cssoss.navy.mil (2-01)

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.

FTSCLANT point of contact is Code 4103C
DSN 646-3872 ext 1842,
Commercial (757) 443-3872 ext 1842,
Email rowland.woodard@ftsclant.navy.mil.
FTSCPAC point of contact is Code 401CR,
DSN 524-2647, Commercial (619) 524-2647,
email 401@ftscpac.navy.mil (2-99)

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, Commercial (619) 524-2408,
email 401@ftscpac.navy.mil.

FTSCLANT point of contact is Code 4103C
DSN 646-3872 ext 1842,
Commercial (757) 443-3872 ext 1842,
email rowland.woodard@ftsclant.navy.mil. (1-99)

ADDITIONS/CHANGES/DELETIONS to CD-ROM Distribution

FTSCPAC point of contact is Code 401CR
DSN 524-2647, Commercial (619) 524-2647,
email 401@ftscpac.navy.mil.

FTSCLANT point of contact is Code 4133D
DSN 646-3872 ext 1819,
Commercial (757) 443-3872 ext 1819
email rowland.woodard@ftsclant.navy.mil.
(2-96A)

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.
(1-96)

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
(1-98)

SKED UPDATE STATUS and GENERAL INFORMATION

For FR 2-01, the latest version of the Automated PMS Scheduler is SKED 2.1.4. SKED for Windows version 3.0 is still in the development stages. We are incorporating lessons learned from SKED for Windows version 2.2 that is now installed on the USS ENTERPRISE Battle Group. SKED for Windows version 3.0 will be installed incrementally

on commands of the USS STENNIS Battle Group. At this time a release date has not been established for SKED for Windows version 3.0.

One new feature added to SKED 3.0 is event scheduling. Currently 40 to 50% of all MRC's are pure situational or have a situational component to them. Event scheduling of situational based maintenance automatically will add PMS checks to the quarterly board for approval by the work center supervisor. Two types of events scheduling has been developed Global and Local. Global is for triggering ship-wide events scheduling to support preunderways, postunderways, etc. Local event scheduling is for the Work Center to establish. The work center supervisor based on run hours, preunderways, postunderways, etc., defines these events.

SKED information can be obtained via the FTSC's web sites or directly at <http://www.ftscpac.navy.mil/Dept400/401COPY/pmsHOME.htm>. Click SKED under Information. From the SKED information page you can link to the SKED developers web site at <http://www.antechsystems.com/sked/skedmain.htm>. From this site you can access information and download the current version.

Do you have a previous install of SKED 2.0? Due to the size of the complete installation package, the download versions of SKED 2.x and FBR Manager include only the executable files for the program, intended for upgrading 2.x. SKED 2.x was distributed by the FTSC's on CD-ROM. If your command does not have a distribution copy of the CD-ROM, please contact FTSCPAC/LANT.

Common problems; the SKED 2.x Help system has a section titled "Troubleshooting SKED 2.0", which has a topic labeled "Common Complaints". That topic may be helpful in resolving some problems you might experience. The developers web site also has a section titled "Advisories" which list two problems that we have had with SKED. We also recommend running "SKED Doctor" from the Tools menu whenever you suspect a problem with a workcenter. NOTE: the SKED Doctor feature is not available during a revision.

We have received calls concerning SKED crashing unexpectedly. The problem has been isolated on PCs running NT, SKED, and a Diving Medical Training (DMT) program distributed by a Diving unit out of Panama City Florida. The problem appears to be caused by conflicts between DLL files. If you are with a Diving unit and have the DMT program loaded and SKED fails to run, the only fix is to reformat your hard drive and reload SKED. Prior to reformatting the drive save the work center folders and other files you wish to save to an external drive/storage media. **DO NOT REINSTALL** the DMT program. We recommend you run the two programs on separate PCs.

Technical support is available for PMS scheduler from the FTSC's. Contact FTSCPAC at DSN 524-2408 Commercial (619) 524-2408, email 401@ftspac.navy.mil or FTSCCLANT at DSN 646-3872 ext 1800 Commercial (757) 443-3872 ext 1800 email percy.saunders@ftsclant.navy.mil

(2-01)

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. (2-00)

SKED and ELECTRONIC TFBRs

The Automated PMS Scheduler, SKED 2.x, 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.x will work with Windows 3.11.

SKED version 2.x 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. 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, Commercial (619)524-2408,

Email 401@ftspac.navy.mil or FTSCLANT at DSN 646-3872 ext 1842, Commercial (757) 443-3872 ext 1842, Email rowland.woodard@ftsclant.navy.mil (2-01)

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 Jorge Lopez at DSN 526-1792, Commercial (619) 556-1792, or email lopez.jorge@atgpac.navy.mil

ATGLANT point of contact is ETCS Jones at DSN 564-9612, Commercial (757) 444-9612 or Email dlatgnsmi3m@atgl.spear.navy.mil (2-01)

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. (2-99)