PLANNED MAINTENANCE SYSTEM SERVICE BRIEF

IN THIS ISSUE:

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ADDRESS URGENT PMS FEEDBACK MESSAGES TO:
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WE CAN ALSO BE CONTACTED VIA E-MAIL AT PMS@navy.mil *, OR PMS WEB PAGE URL:* https://secure.nslc.navy.mil/pms/pms.nsf *, OR VIA THE GLOBAL DISTANCE SUPPORT CENTER AT COMM: (877) 41-TOUCH (86824), DSN: (510) 42-TOUCH (86824), E-MAIL:* anchordesk@navy.mil *, GDSC URL:* www.AnchorDesk.navy.mil *, OR CAD: ANCHORDESK*

PMS Helps Provide Functional Knowledge

Navy PMS is linked to several other programs tied to the mission of maintaining our fleet. Ships perform calibration using PMS; Equipment Guide Lists (EGL) should be based on configuration records and the SKED system is designed to make that link; submarine performance monitoring uses PMS for scheduling and to provide procedures; INSURV uses PMS procedures to assess equipment and the Total Ship Readiness Assessment (TSRA) uses PMS procedures for the same reason. This is because PMS works. The program provides up to date, technically accurate and effective tasks that were originally based upon engineer developed requirements. The 3M Manual encourages us to use PMS Maintenance Requirement Cards (MRC) for training because we have confidence that a properly qualified Sailor of the correct rate can take an MRC out of the deck and successfully move through technically challenging tasks with minimal supervision.

As we train our Sailors do we maximize the use of PMS? Do we thoughtfully pair up a junior Sailor with a more experienced Petty Officer so that the torch of technical competence is passed? The simple act of working through all of the division's assigned PMS will eventually expose the Sailor to virtually every maintenance function he or she will eventually have to supervise as a Leading Chief Petty Officer. The same goes for our junior Officers. Carefully reviewing the schedules, ensuring prerequisite conditions are met, conducting spot checks and monitors pay huge dividends as they make their way up to being a Commanding Officer.

Many of our problems with situational maintenance, sometimes referred to as "R-Checks" would be eliminated by this sort of a strong background in PMS execution since situational maintenance begins with somebody recognizing that an action or circumstance has a corresponding maintenance requirement and no software or administrative features can ever replace that.

Being intimate with PMS and all the maintenance concerns that it touches makes everyone involved more knowledgeable in how our equipment works and what it takes to keep it at peak performance.

Jeff. Baur, US Fleet Forces Command, Maintenance Policy

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COMNAVAIRFOR 3-M Lessons Learned

1. The CNAF 3M Team continues to note Hazardous Material Control and Management standards related discrepancies to include:

   a. Hazardous Material (HAZMAT) not issued in the lowest amount required for work completion.

Afloat units shall make HAZMAT available to work-centers 24 hours a day, and collect previously issued HAZMAT for reuse, alternate use, or offload. Record issue/return/re-issue in HICSWIN. Restrict the amount of HAZMAT in use to the lowest level necessary for the work performance of ship work-centers.

   b. Secondary labels not legible or do not contain the required information.

Labels for shipboard identification of HAZMAT containers must clearly identify the material name, the manufacturer's name and address, stock number, Hazard Characteristic Code (HCC), and the nature of the hazard presented by the HAZMAT including the target organ potentially affected by the material. A label may be a tag, sign, placard, or gummed sticker.

Recommendation: Supervisory personnel ensure familiarity and compliance with 5100.19, Chapter C23 and B3. Supervisory personnel train subordinates in HAZMAT management and control standards to ensure HAZMINCIN personnel understand and adhere to the policy requirements.

2. SPOT CHECKS. A successful spot check program includes historical spot checks as well as monitored maintenance checks.

COMNAVAIRFORINST 4790.1D paragraph 3-4 requires that at a minimum. The Commanding Officer, Executive Officer, 3M Officer, 3M Coordinator, Department Heads, Division Officers, Department LCPOs, and the CMC will complete at least one spot check per week. CNAF is authorizing up to 50% of these spot checks can be monitored maintenance.

Recommendation: CPO's and LDO's/CWO's not already required to perform spot checks, perform monitored maintenance checks selected from the current weekly schedule. Monitored maintenance is to

be used more as a training opportunity than a spot check. Use this opportunity to train the maintenance person on proper maintenance practices, explaining the how's and why's of the Maintenance requirement Card (MRC).

Any questions or "grey areas" that may be encountered during the check should be thoroughly researched and explained before continuing. At the conclusion of the check, the Maintenance Person should have a clear understanding of all aspects of the check, including safety and tag out requirements, operation of special tools and test equipment (i.e., micrometers and multi-meters), as well as how to actually perform the check properly (step-by-step) per the MRC.

3. Questions or comments can be addressed to: CW04 Gregory Collins, CNAF 436 3M Program Manager, Comm (757) 445-7356, DSN 564-7356 or e-mail: gregory.collins2@navy.mil.

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Navy Planned Maintenance

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.navsea.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) 556-0578, DSN 526-0578 or NSLC DET Norfolk at (757) 967-3405, DSN 387-3405.

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 maintenance requirements for selected systems from all levels of maintenance across all surface ship, aircraft carrier and submarine Enterprises. Systems are chosen based upon both fleet input and upon identification as a "troubled system" by such programs as MFOM, TMA/TMI, TSP or MPEA.

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.

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 the 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 2012 or FY 2013 MER, please contact Gregg Baumeier at (757) 967-2568 or email address: Gregg.Baumeier@navy.mil.

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5833 Series MIPs from Maintenance Effectiveness Review (MER) 68

Fleet Maintenance Effectiveness Review (FLEETMER) 68 was conducted 6 – 10 June 2011 and included MIP 5833/309 for evaluation. This MIP is applicable to 24-Foot, 7-Meter and 11-Meter Rigid Hull Inflatable Boats (RIB)s with various propulsion configurations. With these multiple configurations the Work Center Supervisor (WCS) has been required to identify the appropriate maintenance for their assigned boats and omit maintenance that they deem inappropriate. This has caused an increase in the administrative duties of the WCS as well as having the potential for non-applicable maintenance to be assigned. Eight new MIPs have been developed and include the hull APL numbers in the configuration section of the MIP to assist each command identify the appropriate MIP. Additionally providing the APL number will assist all commands and support activities with information to support the 3M system.

5833/070 - Small Boats, 24-Foot/7-Meter RB Marine Drive Systems (MDS) Outdrive
5833/071 – 11 Meter RIB (RX) MDS Outdrive
5833/072 – 24 Foot/7 Meter RB, Mercury Bravo II Outdrive
5833/073 – Small Boats, 24 Foot/7 Meter RB, Konrad Outdrive
5833/074 – Small Boats, 11-Meter RB, Twin Disc TDJ-110 Water Jet
5833/075 – Small Boats 7 MR(X), Cummins QSB Engine, Konrad Outdrive
5833/077 – Small Boat, 24-Foot/7-Meter RB, Non Standard (X)
5833/078 – Small Boats, 11-Meter RIB, Non Standard

Should your command currently be assigned MIP 5833/309 or have the above indicated hull configurations we request that your command submit a Technical Feedback Report (TFBR) that requests the addition of the MIP to your List of Effective Pages (LOEP) and the omission of MIP 5833/309. Ensure that the TFBR includes the assigned hull number(s), hull APL number(s), and individual Work Center(s) that the MIP will be assigned to. We will then validate the information provided and once approved assign the new MIP to your LOEP as well as remove MIP 5833/309. Continue to use MIP 5833/309 until the appropriate new MIP is assigned to your LOEP. The proper addition of the new MIPs to you LOEP must occur at your earliest convenience.

Additional MIPs that are available in the distribution are:

5833/024 – 24MPE Harbor Tour Boat
5833/064 – 64 Foot Patrol Boat
5833/102 – Yamaha Outboard Engine
5833/103 – Mercury Verado Outboard Engine
5833/104 – Outboard Engine (Evinrude 2-4 Cycle)
5833/321 – 33 Foot Patrol Boat
5833/322 – 49 Ft Riverine Command Boat Hydraulic Boat Trailer

If your command requires these MIP(s) please submit a TFBR requesting the addition of the MIP(s) to your LOEP and include the reason the MIP is requested including the boats assigned, the APL for the boat and the component, any approved alterations, and/or Navy or manufacturers technical manuals. If your command has questions please contact us at: NAVSURFWARCENDET NORVA 236: Donna J Stanford Code 236, DSN 253-4381, Commercial (757) 462-4381, E-Mail address donna.stanford@navy.mil.

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Use of the Test, Measurement, and Diagnostics Equipment (TMDE) Index

The TMDE Index is developed and distributed by the Naval Sea Systems Command (NAVSEA) TMDE Program Office. It is published in CD-ROM format and is provided to support all activities using general purpose test equipment. The TMDE Index lists general purpose test equipment that is recognized by NAVSEA as satisfying Fleet equipment and system measurement requirements. The index is a Microsoft Access based document, and provides query function in crossing referencing the Sub-category (SCAT) Code identified on a Maintenance Requirement Card (MRC) to a listing of associated test equipment model numbers (query for model number to SCAT is also available).

Each model of test equipment under a SCAT Code listings has an associated Priority (PRI) Code. The priority code represents where a specific model is within its lifecycle and is based upon logistics supportability. Priority Codes of 13, 22, & 38 are considered the preferred items, and any model having those priority codes are suitable for use (unless a specific model with a required option is listed with a higher priority code). Priority Codes 72 and 95 are considered Obsolescent and Obsolete (respectively). If a maintenance procedure calls for a specific model of test equipment, that model should be used (if the identified model has a Priority Code of 72 or 95, the applicable In-Service Engineering Agent should be contacted to determine if a model having a lower priority code can be used).

In addition to SCAT/Model and Priority Code information, the index includes Appendices (providing detailed descriptions of SCAT Codes and footnote narratives identifying special considerations when using specific models). If a certain model of test equipment is not listed in the TMDE Index, the model has not been approved by the TMDE Program Office for use in conducting measurements, or it is considered special purpose test equipment that is used in maintaining specific Fleet equipments and systems. Issuing and lifecycle management of special purpose test equipment is under the control of the applicable In-Service Engineering Agent (ISEA). The cognizant ISEA should be contacted if a special purpose test equipment item is not listed in the TMDE Index so the applicable information concerning the test equipment is forwarded for TMDE Index induction. NAVSEA regularly issues TMDE Index updates to Fleet activities. The TMDE Program Office has established email address NAVSEA_GPETE_HELP@navy.mil for requesting an initial or updated copy of the TMDE Index.

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MIP 4400/001 MRC Restructuring

In support the NAVSEA Configuration-Based Maintenance initiative MRCs on MIP 4400/001 that are also listed on other equipment level MIPs will be removed from MIP 4400/001. This effort will begin with Force Revision (FR) 4-11 and continue over the next several FR's. Any Work Center that currently holds MIP 4400/001 and the corresponding equipment level MIP for these MRCs will not see any change on their LOEP. If a Work Center does not currently hold the corresponding equipment level MIP for the MRCs being removed from MIP 4400/001, the corresponding equipment level MIP will be automatically added to that Work Center. If the Work Center does not hold that equipment, a feedback report should be submitted to request removal of that equipment level MIP. If that equipment was the only item in use on MIP 4400/001, then the Work Center should submit a feedback report to remove MIP 4400/001. In FR 4-11, MRCs from MIP 4402/002 will be removed from MIP 4400/001. MIP 4402/002 has been added to Work centers that have MIP 4400/001 but do not have MIP 4402/002 on their LOEP. The MRCs being removed from MIP 4400/001 in FR 4-11 are Q-11 (CKQ8), Q-12 (FPY2), S-16 (EPA1), A-7 (DHK8), A-9 (EHN8), A-14 (DMY3), 18M-6 (CYP9), R-5M (DJS5), U-14 (DMX1).

If you have any questions or comments, contact Donald Morrison, Comm (619) 556-0723/DSN 526-0723, or E-mail address: donald.morrison@navy.mil.

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Disposable Gloves Procurement and User Information

Usually, WCs buys gloves in a box of 50 or 100 each. It is possible that some WCs still have some of the

NIINs designated as SPMIG 02826 on hand but were deleted.
This is a HAZMAT concern. SPMIG 02826 was updated in FR 2-11 to delete NIINs with different specifications other than the 8-mil. There are six NSNs under SPMIG 02826: one NIIN for 8-mil gloves; one NIIN for 1.26-mil; and four NIINs for 4-mil gloves. Any NIIN under SPMIG 02826 is supposed to be a suitable substitute. However, these different NIINs with different specifications do NOT PROVIDE EQUAL PROTECTION for handling HAZMAT. Using inferior gloves to handle HAZMAT may cause personnel injury. All NSNs previously associated with SPMIG 02826 other than NIIN 014478212 have been deleted.

The following are the specifications for the NSNs: NIIN 012786986 is for 1.25-mil polyethylene gloves. Product literature calls it "Great for food service and housekeeping." It looks clear like plastic wrap. Probably to limit it to food service and housekeeping MRCs if any.

NIINs 014920176, 014920179, 014920178, and 014920180 are different sizes of the 4-mil nitrile glove. This is rated poor to good for different HMUG groups.

NIIN 014478212 is for 8-mil. This 8-mil nitrile glove is rated by Navy Safety Center as "Good" for HMUG groups 8 and 11, and only "Fair" for HMUG group 15.

If you have any questions or comments, contact Alejandre Catibayan, Comm (619) 556-0376/DSN 526-0376, or E-mail address: alejandre.catibayan@navy.mil or Rodrigo Ferrer, Comm (619) 556- 0374 /DSN 526-0374, or E-mail address rodrigo.ferrer@navy.mil

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Changes to Submarine DC PMS

Submarine Damage Control PMS is undergoing review and in many cases revision. Efforts are ongoing to revise the MRCs to be Configuration/ Equipment-based, eliminating MIP and MRC line-outs and scheduling aids. Changes have already been completed on DC tool rolls, material bags, fire extinguishers, and APC systems for SSBN/GN 726 and SSN 774 submarine classes. Additional Submarine Damage Control MIP and MRC changes will be promulgated in upcoming Force Revisions.

Provide your comments via e-mail to your TYCOM Rep, or SUBMEPP, Ray Lambert, ray.lambert@navy.mil

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Damage Control Tool Roll Line Volt Indicator (LVI) Replacement

In May 2010 the PMS for the submarine DC Tool Roll was updated to replace the Line Volt Indicator (LVI) with the FLUKE Model 77 Multimeter. The purpose of this transition is to standardize the device across all submarine classes and to provide damage control personnel with additional capabilities beyond a “yes or no” answer on whether voltage is present or not.

SUBLANT is purchasing and will distribute FLUKE Model 77 Multimeters to all east coast submarines. Additionally, information for ordering the FLUKE Model 77 Multimeter can be obtained from NOTE 5 in the revised Tool Roll Inspection MRC G4JM (A-5), on Damage Control MIP 6641/009. Work center supervisors are encouraged to review the remainder of MRC A-5. Table #2 provides NIINs for all components within the DC tool roll.

Provide your comments via e-mail to your TYCOM Rep, or SUBMEPP, Ray Lambert, ray.lambert@navy.mil

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Submitting Landing Craft Utility (LCU) 5834-Series TFBRs

Naval Surface Warfare Center Combatant Craft Division (NSWCCD DN), as the In-Service Engineering Agent (ISEA), responds to 5834-Series Maintenance Index Page (MIP)/Maintenance Requirement Card (MRC) related TFBRs. Configuration specific 5843 series MRCs will be developed which are Allowance Parts List (APL) driven to provide applicable and effective preventive maintenance on board the different LCU classes.

Over 75 percent of TFBR's received since release of PMS FR 2-11included incorrect APLs and Technical documentation type data. This causes delays in implementing the requested action because of research required to verify/validate the accuracy of the request. The following are some examples of conflicting information on TFRBs received:

- The system nomenclature is SSDG but the MRC is for the Anchor Winch.
- The APL is for the ENG Thermostat switch but the TFBR requests action on MAG Sprinkler system.
- The technical manual is for the Army Class LCU but the TFBR requests action on the 1627/1646 Class LCU.

Using the incorrect tech data can result in improper maintenance, equipment damage and/or personnel injury.

When an MRC is deemed "no longer applicable" to a particular work center, removing it from the MIP can negatively affect other LCUs. A scheduling aid may seem like a viable solution, but scheduling aids detract from configuration management and the development of configuration specific MRCs. Tracking with regards to what maintenance is being omitted, is lost and the upgraded systems/equipment requiring PMS development does not get identified.

When requesting scheduling aids include what system replaces the equipment/functionality, state whether the new system/equipment has/requires PMS and provide what additional maintenance is required to support the equipment by APL number.

A noted increase has been observed with regards to TFBRs being submitted and stating the applicability of the request, i.e. "applies to 1617, 1632…", or "does not apply to 1643, 1661…"

Each 5834-Series MIP Scheduling Aids block lists the following minimum supporting information and documentation the fleet must include on a TFBR when available; includes, but not limited to:

1. Reference or source of engineering/technical data to support the TFBR request. If other than official i.e. OPNAVINST/Directives, provide ***Point of Contacts (POC) for copy of reports/memos directing the action.***
2. In instances where the maintenance procedure is confusing, inaccurate, and/or causes safety concerns, **provide the recommended steps to accurately and/ or safely complete the maintenance procedure, including time to perform the task.**
3. System and component APL/AEL information
4. Component Manufacturer
5. Equipment model or part number

For FY-2011 the average work hours per TFBR is approximately 5 hours. This information is not provided to discourage the submission of TFBR's but rather to stress the importance of submitting accurate data/information to reduce the time spent requesting clarification and supporting data. Without the information contained in numbers 1 through 5 it is difficult to resolve and implement change requests.

You are encouraged to contact a POC listed below to discuss TFBR submissions and all other LCU community PMS issues:

POC: Donna Stanford, (757) 462-4381, e-mail donna.stanford@navy.mil and Ronald Burton, (757) 462-4303, e-mail ronald.l.burton@navy.mil .

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Submitting Small Boat (5833 Series MIPs) TFBRs

Through previous Force Revision Service Brief's the small boat In Service Engineering Agent (ISEA) has requested that commands provide supporting information and documentation on the submission of TFBRs for 5833 series MIPs. This information has been used to evaluate the request and determine the appropriate response to ensure that the requested change will not impact MRCs that reside on other 5833 series MIPs. Multiple commands receive that same MIP for like configurations. We have received approximately 50 TFBR's that have included the requested information which has allowed us to become more efficient in our jobs of responding to the fleet. Each command that has incorporated this information speaks well for the fleet and has shown that the originator has become an integral part of the streamlined, timely and accurate resolution to their request. Again for those that have adopted this philosophy please continue to provide this information. The supporting information is still in the service brief as a reminder that by providing this information it will allow us to provide close out information that is accurate and timely. Information requested from the originator of MIP 5833 series TFBRs should include the following:

1. Reason for submitting the request. This should include any changes to procedural steps, periodicities, as well as required tools, parts and/or materials.
2. The boat hull number for all boats assigned
3. The boat hull number for the boat(s) affected by the request

4. APL/AEL of the boat and component
5. Manufacturer of the boat and the component
6. Equipment serial number and make, model, or part number
7. Type of system/subsystem
8. Approved Navy or manufacturer technical manuals that support the requested change
   a. Boat Information Book (BIB)
   b. Manufacturer's technical manual(s)
   c. Naval Ship's Technical Manual Chapter 583 Boats and Small Craft S9086-TX-STM-101/CH-583R4
   d. Commercial-Off-The-Shelf (COTS) manuals provided with the boat.
   e. Any other technical manual or documentation that supports the requested change.

In addition to including the requested supporting information and documentation please ensure that the request is directly related to PMS. Recent feedbacks received have requested APL and parts procurement support, on sight technical assistance, and on sight training. These requests are outside the scope of PMS and therefore cannot be addressed through a PMS TFBR. For small boat requests that are outside of the scope of PMS request that you process the request through the proper supporting activity. For supply concerns please work with the supply department to determine what should be submitted as an Automated COSAL Feedback Report (ACIP).

For questions and/or concerns relating to the submission of 5833 series MIPs TFBRs, please contact Donna Stanford at (757) 462-4381 or e-mail donna.stanford@navy.mil.

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Introduction of the Off-Ship Maintenance Indicator

Force Revision (FR) 2-11 introduced new indicators for Off-Ship Maintenance assigned MRCs mainly to LCS/DDG 1000 Class ships. These new indicators appear as "+" and "++" with the periodicity on MRCs and on MIPs. There are legend(s) that have been placed on MIPs containing the Off-Ship Maintenance indicators at the bottom of the scheduling aid block. The legend(s) will read:

\+ Off-Ship Maintenance Personnel
++ Ships Force and Off-Ship Maintenance Personnel

Currently only LCS/DDG 1000 Class ships are using Off-Ship Maintenance personnel to accomplish certain O-level MRCs. Some of the MIPs that have been updated to reflect the Off-Ship Maintenance indicators are reapplied to other ship classes that do not use Off-Ship Maintenance personnel to accomplish O-Level maintenance. For ships that receive updated MIPs/MRCs reflecting the new Maintenance Indicators that do not use Off-Ship Maintenance personnel to accomplish O-level maintenance, you are instructed to ignore the indicators and perform your maintenance as scheduled.

(2-11)

Equipment Guide List (EGL) Guidance for SKED 3.1 Users

There have been numerous questions from the fleet regarding the use of Equipment Guide Lists (EGL) in SKED 3.1 versus listing all PMS worthy equipment on individual component rows. The correct answer is to utilize the EGL functionality in the software. The primary reason for this is a Microsoft data limit that cannot be bypassed by the SKED 3.1 software and will result in problems with large workcenters, i.e. ER09. Additionally, using EGLs in SKED 3.1 will result in an easier transition to SKED 3.2 software when your SKED 3.1 data is converted.

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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 (or from the CD/DVD if not operating on a 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.

SURFOR Tailored Force Revision (TFR)

Tailored Force Revision (TFR) reduces the administrative burden of applying FR changes to the PMS Schedules and changed documents. A team of experts review all changed MIPs and MRCs for applicability to your PMS schedule and provides the Ships 3MC a TFR Package. Each TFR package has an interactive TFR Guide on CD, for the 3MC they receive the standard FR PMS documents, Split MIP/MRC report, 3MC report. Each Workcenter will receive, via the 3MC, the TFR files, Tailored MIP report, printed copies of changed MIPs with lineouts, and MRCs with LGLs. To apply the TFR each workcenter starts an FR type revision, imports the TFR data, reviews the applied changes to the schedule and forwards it to the chain of command for review and approval.

TFR 4-11 is delivered to all DDGs, CGs, and FFGs (105 ships). With TFR, the heavy lifting has already been done. Technical Support is available Monday thru Friday by emailing TFR@antechsystems.com or calling (757) 548-2749.

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TFR ON-LINE TRAINING CLASSES

TFR On-Line Training is provided once a week via WebEx. These classes are held between 1300 and 1600 EST. Additional classes can be scheduled for groups to accommodate Ship/Command schedules.

To request a specific date and time for your command, email: TFR@antechsystems.com.

The class provides a general overview of TFR for 3MCs and Workcenter Supervisors. The following topics are covered:

- The Basics: What is TFR?
- The TFR Process: What Happens Before You Receive It?
- TFR Packages: What's Inside?
  - 3MC
  - Workcenter Supervisor
- Getting Started: TFR Implementation Actions
  - 3MC
  - Workcenter Supervisor
- Using the Applied LOEP Report
- SKED 3.1 or SKED 3.2 Demo: Applying TFR to a Workcenter

For class schedules and registration, visit:
http://skedtraining.antechsystems.com.

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Navy Installations Command (CNIC) 3M Support Representatives

Navy Installations Command has 3M Team representatives to provide quick and personal response to CNIC activities on 3M issues. CNIC requests that these representatives be your first point of contact to resolve Planned Maintenance System and other 3M related problems and concerns.

LT Chris Halsan
Code N32 GEMO
Phone: (202) 433-3517
DSN: 288-3517
christopher.halsan@navy.mil

Matt Schaefer
Port Ops Maintenance Officer
Phone: (619) 556-3150
DSN: 526-3150
matthew.schaefer@navy.mil

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Naval Surface Forces (CNSF) 3M Support Representatives

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) Roger Doria
TYCOM 3M Representative (CNSF Pacific)
Phone: (619) 556-0136
rogelio.doria@navy.mil

CW04 Constantino Constantino
TYCOM 3M Officer
Phone: (619) 437-2500
constantino.constant@navy.mil

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Navy Expeditionary Combat Command (NECC) 3M Support Representatives

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

CMC (SCW/EXW) Scott Farmer
TYCOM 3M Representatives
Phone: (757) 462-4316 ext 221
scott.e.farmer@navy.mil

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

EOC (SCW) Al Lambright
TYCOM 3M Representatives
Phone: (757) 462-4316 ext 156
albert.lambright@navy.mil

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Naval Air Forces (CNAF) 3M Team Representatives

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.

CW04 Gregory Collins
CNAF N436 3M Officer / 3M Team OIC
Phone: (757) 445-7536
Cell: (757) 748-4136
gregory.collins2@navy.mil

Jeff Shultz
CNAL N432 Logistics
Phone: (757) 445-4201
jeffrey.shultz@navy.mil

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

EMCM(SW) James Jennings
CNAF N436 3M Inspection Team Lead/Schedules
Phone: (757) 445-7471
james.t.jennings@navy.mil

MMCM(SW) John Boyd
CNAF N434 3M Coordinator/Feedback Reports
Phone: (619) 545-4356
DSN: 735-4356
john.k.boyd@navy.mil

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Submarine Force (CSF) 3M Support Representatives

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.

Craig Houck
PMS Manager / TYCOM 3M Rep Mid-Atlantic
Phone: (757) 967-6184
Cell: (757) 435-2929
Fax: (757) 967-6924
craig.r.houck@navy.mil

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
Phone: (860) 694-3669
Cell: (860)634-3560
Fax: (860) 694-2937
nicholas.milano@navy.mil
nicholas.milano@navy.smil.mil

Steven "Soupy" Campbell
COMSUBPAC 3M Manager
Phone: (808) 473-4839
Cell: (808) 728-2835
steven.a.campbell@navy.mil
steven.a.campbell@navy.smil.mil

Laurence "Magnus" Stonhill
TYCOM 3M Rep PACNORWEST
Phone: (360) 396-6780
Fax: (360) 396-6234
Cell: (360) 447-8190
laurence.stonhill@navy.mil
laurence.stonhill@navy.smil.mil

Rick Gaskill
TYCOM 3M Rep PACNORWEST
Phone: (360) 315-1430
Fax: (360) 396-6234
gerald.gaskill@navy.mil
gerald.gaskill@navy.smil.mil

Jim Peters
TYCOM 3M Rep Guam
Phone: (671) 339-4725
Cell: (671) 688-4134
james.peters.ctr@fe.navy.mil

Clyde "CR" Drumheller
TYCOM 3M Rep Pearl Harbor
Phone: (808) 473-1144
DSN: 473-1144
clyde.r.drumheller.ctr@navy.mil

Patrick Millard
TYCOM 3M Rep San Diego
Phone: (619) 553-8737
Cell: (619) 889-7805
patrick.millard@navy.mil

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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 .

Performing PMS While Implementing a Force Revision

If a Force Revision is received late or its implementation is not approved prior to the first Monday of the new calendar quarter, the Workcenter Supervisor and Division Officer need to comply with NAVSEAINST 4790.8B Chg 3, Section I, Chapter I and continue scheduling and performing PMS checks based on their calendar periodicity or situational event, as they occur. SKED is designed to allow the Fleet to continue to perform preventive maintenance without interruption, even during Force Revisions.

SKED 3.1 does not allow applying completion marks in quarters that have not been finalized. However, it does allow checks to be manually added to the schedule and supports printing 13 week reports for use in scheduling checks and manual tracking their completion. After the new quarter's schedule has been finalized, all checks that have been added, completion markings and notes annotated on the 13 week reports for the lapsed weeks need to be manually transferred to the finalized schedule in SKED.3.1.

SKED 3.2 allows checks to be added, applying completion markings, adding Check Notes, and printing 13 Week reports, even though the workcenter may be actively applying a Force Revision.

To ensure that each workcenter has a future quarter available for forecasting PMS, SKED 3.1 and SKED 3.2 need to have their available quarters situated as follows:

In SKED 3.1, of the three available quarters, the first should be the current quarter and must be in Maintenance mode, while the remaining two quarters are in Revision mode, e.g. Quarter 12 is used for FR 1-11 and is in Maintenance mode, Quarter 13, which will have FR 2-11 applied, and Quarter 14, which will have FR 3-11 applied, will be in Revision mode. After the Division Officers have approved the new quarter they must generate the next quarter placing the last calendar quarter into Archive, effectively approving all Flip Page notes, and closing out the quarter.

In SKED 3.2 of the four available quarters, the first quarter must be the past calendar quarter, the second is the current calendar quarter, and the third and fourth calendar quarters are the future calendar quarters, e.g. Calendar Quarter 4-10 is the past quarter, Calendar Quarter 1-11 is the current quarter and Calendar Quarters 2-11 and 3-11 are the two future quarters. When Calendar Quarter 2-11 has been approved Command wide, the 3MC must archive off quarter 4-10.

SKED is designed to allow you to schedule and perform preventive maintenance without interruption, even during Force Revisions.

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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 62112, Commercial (619) 556-6776, DSN 526-6776 or e-mail winkler.sean.ctr@navy.mil

LANT Activities: Code 62111, Commercial (757) 967-3414, DSN 387-3414 or e-mail percy.saunders@navy.mil

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

COMSUBLANT Activities: Commercial (757) 967-6184 or e-mail craig.r.houck@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

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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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

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.navsea.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.

SKED 3.2 Implementation

SKED 3.2 is certified for use on NIAPS version 2.0 and greater. Currently installed and active on various DDG, LCS, and SSN platforms. NAVSEA is working with USFF and TYCOMs to accelerate the rollout of SKED 3.2 in the fleet.

The SKED 3.2 activation process will be performed in two phases; Phase I includes the conversion of SKED 3.1 data and the command will be provided training and allowed to use the SKED 3.2 data for familiarity with the operation of the software. Phase II includes a second and final conversion of SKED 3.1 data and training for the 3M Coordinator, Officers, Chiefs, and Work Center Supervisors. NAVSEA technicians will be onboard for final conversion and training anywhere from 5 – 10 days depending on class of ship.

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SKED 3.2 On-line Training

Several classes are now available online at www.antechsystems.com/sked-training-getting-started The classes are available every other business day at times ranging from 0800 - 1900 EST. Additional information is available by emailing skedtraining@antechsystems.com

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SKED 3.2 Information

1. **Enhanced Individual Equipment Tracking**: With the removal of EGL's, every piece of equipment onboard ship becomes its own line item in SKED and on the 13 week report. When coupled with a ship's OMMS-NG configuration data, SKED allows the workcenter supervisor to accurately account for each piece of equipment in the workcenter and ensure proper maintenance is being conducted.

2. **Command Wide Reports Feature**: The built in "Reports" feature allows personnel to extract a wide range of information in moments. Ranging from the forecasting of Hazmat, Repair Parts, Test Equipment needed, to PAR completion information for the entire command or an individual workcenter covering a given date range. Additional reports allow the command to view checks that have a potential to be lost, if not completed with-in periodicity, days or weeks in advance. 3MC's can view with 100% accuracy, each workcenters PAR/SAR/ACF data broken down by total number of checks scheduled, completed, lost, and rescheduled throughout a quarter or individual week. Each report can be exported into Excel format for timely and accurate command reporting.

3. **Quick Reference Icons on Workcenter Schedule**:

With each piece of equipment becoming its own line item on the workcenters schedule, there are icons that indicate for each check if it requires a Tag-Out, Repair Parts, if it is a Safety of Ship item, has Hazmat, has a customized MRC card, if it is a classified MRC, or if it contains a check note from being previously rescheduled. All of this is readily available to the crew without even having to pull the MRC and greatly enhances the workcenter supervisor's ability to pre-plan and prioritize their maintenance accordingly.

Provided by:
HTC(SW/AW) Purvis, Jonathan D.
USS STOUT (DDG-55) 3M Coordinator

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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.

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.

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 VIEWER

PMSViewer Update

While printing PMS documents with earlier versions of the PMSViewer, some issues may occur with landscape tables. Please be sure that the following versions are up to date:

Resource version is 3.4.3.0
PMS Browser Object version: 2.8.3.0
PMSViewer version 2.0.0.1

See steps below for assistance.

Open PMSViewer and perform the following:

1. From the Menu bar, select **Help>About PMS Resources…**
2. In the About PMS Resources dialog box, **Resource version 3.4.3.0** should be listed.
3. In the About PMS Resources dialog box, **PMS Browser Object Version 2.8.3.0** should be listed.
4. Close the About PMS Resources dialog box.
5. From the Menu bar, select **Help>About PMSViewer…**
6. In the About PMSViewer dialog box, **PMSViewer Version** 2.0.0.1 should be listed.
7. Open Internet Explorer, select from the menu bar **Help>About Internet Explorer**.
8. The version number is displayed in the Internet Explorer dialog box should be 5.5 or higher.

If the file versions are not correct, 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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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.webb1@navy.mil

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

PAC Activities: Commercial (619) 556-0578, DSN 526-0578 or e-mail anne.cotcher@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