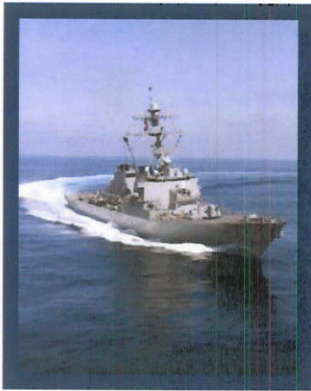


# Southeast Regional Maintenance Center

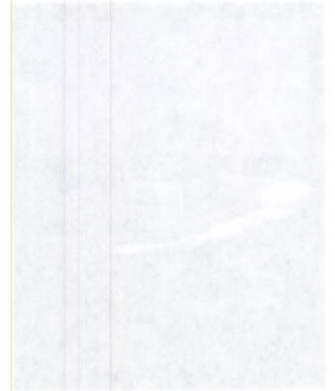
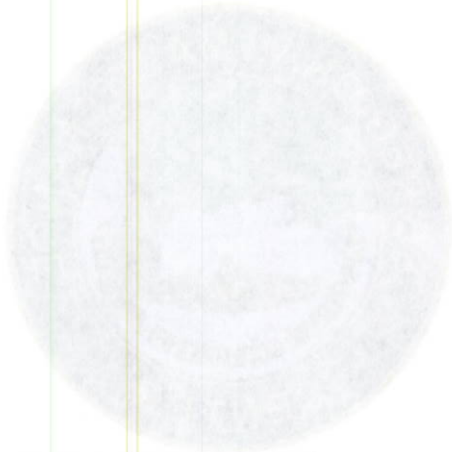
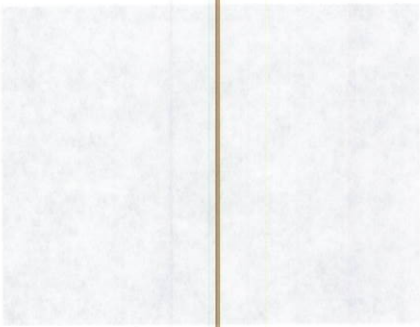


## Product Families

### Capabilities Manual

**28 JUNE 2011**

# Southeast Regional Maintenance Center



Product Families  
Capabilities  
Manual



NAVSEA  
Southeast

28 JUNE 2011

# ***Southeast Regional Maintenance Center***

## ***Production Department Code 900***

### **Department Head C900**

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Cell Phone - (904) 838-0130

E-mail - patrick.shepler@navy.mil

### **Production Operations Manager C900A**

Terry Bennett – (904) 270-5126 ext 3161

Cell Phone - (904) 219-8215

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### **Hull & Corrosion Product Family C920**

Brian York – (904) 270-5126 ext 3211

Cell Phone - (904) 477-4351

E-mail - brian.york1@navy.mil

### **Engine Product Family C930**

Edgar McNulty – (904) 270-5126 ext 3356

Cell Phone - (904) 497-8356

E-mail - edgar.mcnulty@navy.mil

### **Machine ProductFamily C940**

Michae I “Mick” Taylor – (904) 270-5126 ext 3349

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E-mail - michael.s.taylor6@navy.mil

### **Combat Systems Product Family C950**

Wayne Elliott – (904) 270-5126 ext 5824

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### **Production Control Product Family C960**

Todd Weeks – (904) 270-5126 ext 3315

E-mail - todd.weeks@navy.mil

### **DiverProductFamily C970**

James “Jim” Peck – (904) 270-5126 ext 3077

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# Southwest Regional Maintenance Center

## Production Department Code 900

### Department Head C900

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### Hull & Corrosion Product Family C920

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Cell Phone - (904) 497-7383  
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### Production Control Product Family C960

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### Diver Product Family C970

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Cell Phone - (904) 813-4914  
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## SHIPBOARD MAINTENANCE ACTION FORM (2-KILO)

THE 4790/2K DOCUMENTS A DEFERRED MAINTENANCE ACTION. **WITHOUT IT, WORK WILL NOT BE ENTERED IN THE CURRENT SHIP'S MAINTENANCE PROJECT (CSMP).** ALL DECISIONS ABOUT WHERE AND WHEN TO PLACE THE JOB AT A MAINTENANCE ACTIVITY ARE BASED ON THE 2K. CLARITY, ACCURACY, AND COMPLETENESS ARE ESSENTIAL. ADD ALL INFORMATION YOU BELIEVE HELPFUL TO PLAN OR EXECUTE THE JOB IN BLOCK 35 OR ON A 4790/2L.

A Ship's Maintenance Action Form (SMAF) is submitted to document jobs for your CSMP. When filled out properly this form will determine how quickly the work can be placed at a maintenance activity and how easily it can be planned and executed. It may be filled out by hand. The form is submitted through your chain of command to ensure accuracy and completeness.

This section of the SERMC Capabilities and Assessments Manual discusses proper documentation of your work. It contains some tips on accuracy and details required to interpret the request. The reference used in preparing this section is the 3-M Manual, OPNAV 4790.4(series) and the sample SMAF, below.

Use the tips as guidance when completing a SMAF. There are always exceptions to the rules but, in general, proper documentation guarantees the job will reach a successful conclusion. As you go through the steps of filling out an effective SMAF, ask yourself two simple questions:

- ✓ What information would someone outside my work center need to check out the job on the ship and plan it for a maintenance activity to execute?
- ✓ Did I provide all this information?

**NOTE:** Additional required shop-specific information may be needed. Refer to the individual shop sections for requirements. We will be working with Sections I, II, IV, & V of the SMAF.

### Section I - IDENTIFICATION

**Blocks 1-3** these blocks form the Job Control Number (JCN). From day one the job will always be identified by this combination.

**Block 4** is the Allowance Parts List (APL) or Allowance Equipment List (AEL) number. It is critical that this be accurate so the correct repair parts can be ordered. The APL number should be taken from the COSAL or SCLISIS (itemized parts list for component to be repaired) held on the ship and must identify the specific item requiring action. Unless the component and system are one and the same, this number must be for a component of the system, not for the system itself. Compare nameplate information with the ship's records.

**Blocks A & B** identifies the ship's name and hull type/number.

**Block 5** is the equipment noun name. Electronic equipment with A/N designators will use the A/N identifiers vice noun name (A/N SQR-5 for example).

**Blocks 6-9** are for diagnostic data analysis gathering. The blocks' choices of contents are listed in the 3-M Manual, pages B-20-21. Select the choice that best fits the circumstances for each.

**Block 13** should list exact serial or identifier of item. For example, use B54545 (the serial number of equipment) or FM 3-151-2 (the valve number).

**Block 14** is the Equipment Identification Code (EIC), an alphanumeric identifier of the component, equipment, subsystem or system for which the maintenance is being reported. EICs are found in the EIC manual.

**Block 15** is the safety hazard identification. Enter an "X" or the appropriate code located in the 3-M Manual, page B-22. All jobs identified as a safety hazard must include a review by the ship's safety officer in command routing.

**Block 16** is the exact location of the component identified by deck, frame, or compartment number. Fantail or open bridge is acceptable. This is a must have!

**Block 17** is the Julian date when the malfunction was discovered.

### **Section II - DEFERRAL ACTION:**

**Block 25** is the total number of man-hours expended by all personnel up to the time of deferral. It includes one hour for documentation purposes.

**Block 26** is the Julian date the job was deferred (written).

**Block 27** is an estimate of how many ship's force man-hours are needed to complete the job.

**Block 28** must be the most accurate Julian date on the document. This tells the chain of command and the maintenance activity how much time they have to complete the job. Much time is spent between brokers and ship personnel negotiating a valid deadline date because unrealistic dates are initially provided. This is time the job could be progressing through channels on the way to the shop. Make it as accurate as possible.

### **Section III - REMARKS DESCRIPTION**

**Block 35** is the heart of the document and is in two parts: the first states in detail what is wrong with the component and, if known, what caused the failure. The second part details what must be done to correct the problem. Separate the two statements with “XXX.” This two-part description applies to all 2Ks. If a 2L is used to illustrate some aspect of the job, mention it in this block and make sure it is available to the maintenance activity when requested. Also state if ship’s force personnel will deliver anything to the maintenance activity. If the job is written to document a casualty report (CASREP), include the CASREP date-time group. Everything up to this point has been generic. Other mandatory information is included in the individual shop sections. Planners who use your 2K to ship-check the job developed these requirements. Choose the heading and requirements that fit your job and use it to guide **Block 35**.

**Block 37** is a condensed description of the problem stated in Block 35. This one line problem statement will appear on management reports. Be brief but accurate.

**Block 38** is ideally the person filling out the 2K or an immediate supervisor knowledgeable in the specifics of the 2K.

**Block 39** is the rate of first contact/maintenance person who is familiar with the scope of requested work.

**Block 40** is a second contact or supervisor. This person must be familiar with the scope of the requested work.

**Block 41** Choose and enter the appropriate priority code. (1 - mandatory; 2 - essential; 3 - highly desirable; 4 - desirable) based on latest TYCOM guidance.

**Block 42** Select and enter the appropriate type availability code. (1 - depot; 2 - IMA; 3 - TYCOM; 4 - S/F)

## **Section V - SUPPLEMENTAL INFORMATION**

**Block 47** is the place to list technical manuals, blueprints, Electronic Information Bulletins (EIBs), or other documents that may be useful to the activity providing assistance. They should be listed by title/number and indicate under “on board” if they are available onboard or not. Ensure the document matches any completed machinery alterations (MACHALT) or other changes to the equipment.

**NOTE:** The importance of the need for accuracy and completeness of the completed SMAF cannot be over-emphasized. It should mean the same to anyone who reads it. Readiness, time, and money are casualties of a poorly written job. If you follow the guidelines listed success is guaranteed.

**Additional work center-specific information may be needed. Refer to the individual work center sections for requirements.**

**COMBAT SYSTEMS PRODUCT FAMILY RADOME & ANTENNAS:**

**WORK CENTER # - 953**

**BUILDING NUMBER - 1488**

**PRODUCT FAMILY WORK CENTER PHONE NUMBER - (904) 270-5126 ext. 3115**

**PRODUCT FAMILY SUPERVISOR - Wayne Elliott (904) 270-5126 ext. 5824**

**PRODUCT FAMILY LEAD - Jeffrey Lawrence (904) 270-5126 ext. 3115**

**● STANDARD SERVICES - Applies to all applicable classes of US Navy surface ships**

BASIC FUNCTIONS	Inspect	Remove/ Replace	Trouble Shoot	Repair/ Refurbish	Overhaul	Fabricate	Preserve/ Paint	Test	Ship to Shop	Full Service	Training
<b>Code 953 ANTENNA Repair</b>											
AS-2810/SRC, AS-1735/SRC, AS-2815-SSRI		×		×			×		×		
AS-1857/SRA, AS-3226/URC, NT-66095		×		×			×		×		
AS-177B/UPX, AS-4163/URC, AS-3077/SP		×		×			×		×		
AS-3078/SP, AS-3079/SP, AS-4293/SRC,		×		×			×		×		
AS-4489/SSQ AS-2809/SRC, AS-2867/SSR		×		×			×		×		
(all see Note 1)											
<b>WHIP ANTENNA Repair (see Note )</b>											
AS-2537, AS-3772, AS-3770		×		×			×		×		
AS-3773, AS-3771, AS-3371		×		×			×		×		
(all see Note 1)											
<b>ANTENNA COUPLER Repair</b>											
AN/URA-38 (see Note 1)		×		×	×		×		×		×
<b>ANTENNA AMPLIFIER Repair</b>											
AM-6534, AM-7317 (see Note 1)		×		×	×		×		×		
<b>Code 953 RADOME Repair</b>											
CAS RADOME		×		×			×		×		
SPQ-9 RADOME		×		×			×		×		
SRQ-4 RADOME		×		×			×		×		
MK-75 GUN SHIELD		×		×			×		×		

**NOTES:**

Note 1. Antenna Repair: See SERMC Waterfront Maint. Note 16.

**COMBAT SYSTEMS PRODUCT FAMILY ORDNANCE:**

**WORK CENTER # - 954**

**BUILDING NUMBER - 1488**

**PRODUCT FAMILY WORK CENTER PHONE NUMBER - (904) 270-5126 ext: 3115**

**PRODUCT FAMILY SUPERVISOR - Wayne Elliott (904) 270-5126 ext: 5824**

**PRODUCT FAMILY LEAD - Jeffrey Lawrence (904) 270-5126 ext: 3115**

● **STANDARD SERVICES - Applies to all applicable classes of US Navy surface ships**

BASIC FUNCTIONS	Inspect	Remove/ Replace	Trouble Shoot	Repair/ Refurbish	Overhaul	Fabricate	Preserve/ Paint	Test	Ship-to Shop	Full Service	Training
<b>CODE 954 ORDNANCE Repair</b>											
<b>SVTT Repair</b>											
SVTT Breech Mechanism (see Note 2)	×	×		×	×		×	×	×		×
SVTT R.A.C. (see Note 2)		×		×			×	×	×		×
<b>CHAIN GUN Repair</b>											
MK-38 MOD 1 (see Note 3)		×		×			×	×	×		×
MK-38 MOD 2 (M242 cannon only)		×		×			×	×	×		
<b>VERTICAL LAUNCH SYSTEM (VLS) Repair</b>											
VLS CELL HATCHES (see Note 4)		×		×			×	×	×		
VLS DELUGE WATER TREATMENT (see Note 5)	×	×		×			×	×	×		×
VLS DELUGE VALVES		×		×	×		×	×	×	×	

**NOTES:**

Note 2. SVTT Repair: See SERMC Waterfront Maint. Note 14.

Note 3. MK-38 Mod 1 Chain Gun Repair: See SERMC Waterfront Maint. Note 09A, 09B.

Note 4. VLS Cell Hatch Repair: See SERMC Waterfront Maint. Note 20.

Note 5. VLS Deluge Water Treatment: See SERMC Waterfront Maint. Note 18.

## COMBAT SYSTEMS PRODUCT FAMILY CIWS

**WORK CENTER # - 956**

**BUILDING NUMBER - 1488**

**PRODUCT FAMILY WORK CENTER PHONE NUMBER - (904) 270-5126 ext: 3115**

**PRODUCT FAMILY SUPERVISOR - Wayne Elliott (904) 270-5126 ext: 5824**

**PRODUCT FAMILY LEAD - Jeffrey Lawrence (904) 270-5126 ext: 3115**

● **STANDARD SERVICES - Applies to all applicable classes of US Navy surface ships**

BASIC FUNCTIONS		Inspect	Remove/ Replace	Trouble Shoot	Repair/ Refurbish	Overhaul	Fabricate	Preserve/ Paint	Test	Ship to Shop	Full Service	Training
CODE 956 CIWS / SRBOC / NULKA Repair												
CIWS Repair (see Note 6)			X		X	X			X	X	X	X
MK-137 SRBOC LAUNCHER Repair (see Note 7)			X		X					X		X
MK-53 NULKA DECOY LAUNCHER												

**NOTES:**

Note 6. CIWS Repair: See SERMC Waterfront Maint. Note 12.

Note 7. MK-137 SRBOC Launcher Repair: Ships Force Self-Help only.

**COMBAT SYSTEMS PRODUCT FAMILY 2M REPAIR:**

WORK CENTER # - 957

BUILDING NUMBER - 1488

PRODUCT FAMILY WORK CENTER PHONE NUMBER - (904) 270-5126 ext: 3115

PRODUCT FAMILY SUPERVISOR - Wayne Elliott (904) 270-5126 ext: 5824

PRODUCT FAMILY LEAD - Jeffrey Lawrence (904) 270-5126 ext: 3115

● **STANDARD SERVICES - Applies to all applicable classes of US Navy surface ships**

BASIC FUNCTIONS	Inspect	Remove/ Replace	Trouble Shoot	Repair/ Refurbish	Overhaul	Fabricate	Preserve/ Paint	Test	Ship-to Shop	Full Service	Training
CODE 957 MINIATURE/MICRO-MINIATURE Repair											
2M Repair (see Note 9)		×	×	×				×	×		×

**NOTES:**

Note 9. Miniature/Micro-Miniature (2M) Repair: See SERMC Waterfront Maint. Note 06.

