
DISTRIBUTION STATEMENT D:

Distribution authorized to DOD components and DOD contractors only; Critical Technology; January 2011. Other requests for this document shall be referred to Naval Sea Systems Command (SEA 04RM). Destroy by any method that will prevent disclosure of contents or reconstruction of the document.

MIP CONTROL NUMBER: 6300/001-11**Date:** January 2011

SHIP SYSTEM, SYSTEM, SUBSYSTEM, OR EQUIPMENT

Preservation and Coverings
(Corrosion Control)
6300

REFERENCE PUBLICATIONS

Applicable Ship Class
Corrosion Control Manual
NAVSEA S9086-VD-STM-010
NAVSEA S9086-VD-STM-020
NAVSEA S9086-VD-STM-030

CONFIGURATION

Incorporates NSWCCD, Gel-In-Middle (GMI) Connector Protector, PS-5121, Dated 09/21/05.
Incorporates Ship Maintenance Effectiveness Review (SHIPMER) Cycle 51

SCHEDULING AIDS

1. MRC S-1 (8WMR) can be accomplished more frequently than periodicity listed as a result of harsh weather or unusual operating conditions. No technical feedback report required.
2. The inspection and repair procedures given in MRCs S-1 (8WMR), and U-1 (8WMS) through U-4 (8WMV) may find discrepancies with, or cause damage to, installed Passive Countermeasure System (PCMS) material. Follow the inspection and repair procedures for PCMS given by Maintenance Index Page (MIP) 4721/081 for the appropriate ship class.
3. The inspection procedures given in MRC S-1 (8WMR) may find discrepancies with, bond straps intended to prevent Electromagnetic Interference (EMI) caused by equipment in the weather. Follow the inspection and repair procedures for bond straps given by Intermodulation Interference Maintenance Index Page (MIP) 4071/021 for the appropriate ship class.
4. "U" MRC (Unscheduled Maintenance Requirement) is provided to assist in restoring system/equipment to an operational condition. Its use may be directed by a scheduled MRC, scheduling aid, or system/equipment failure.
5. MRC S-1 (8WMR) is not intended to be used for inspecting tanks, voids, and cofferdams. Accomplish this maintenance, as Applicable to your Work Center.
6. The inspection requirements of MIP 6300/001 are intended for all structures or equipment in a compartment/space/weatherdeck area that do not have specific corrosion inspection requirements contained in other MIPs. If a specific system or equipment MIP contains corrosion inspection, repair, or prevention procedures, then those procedures take precedence and these procedures need not be preformed.
7. Scheduling and accomplishment of maintenance may be included in the responsibilities of more than one work center, and responsibilities of the MIP may be divided.
8. MRC S-1 (8WMR) contains blank spaces to be filled in before implementation. Until this fill-in data is applied, the maintenance requirement cannot be accomplished.
9. When performing MRC S-1 (8WMR), a work candidate will be written for every inspection detailing the condition of the space and/or equipment being inspected.
10. Review Maintenance Requirements. Omit MRCs which do not apply; no feedback report required.

| OTHER | MRC NO. | MAINTENANCE REQUIREMENT DESCRIPTION | PERIODICITY CODE | RATES | MAN HRS | RELATED MAINT |
|--------------------------------------|------------------|---|-------------------------|--------------|----------------|----------------------|
| | BO 8WMR N | 1. Inspect Compartment/Space/Weatherdeck for Corrosion. | S-1 | P01/LPO | 1.0 | 18M-1 U-11 |
| | 11 8WNC N | 1. Install or Replace Vapor-Phase Corrosion Inhibitor (VCI) Device. | 18M-1 | PO2 | 0.3 | U-11 |
| <hr/> UNSCHEDULED MAINTENANCE | | | | | | |
| | 70 8WMS U | 1. Evaluate Condition of Metal Sprayed Coating (MSC) System. 2. Repaint Surfaces Coated with MSC System. | U-1 | PO3/PO2 | 4.1 | U-2 U-12 |

NOTE: Refer to applicable ship class corrosion

| OTHER | MRC NO. | MAINTENANCE REQUIREMENT DESCRIPTION | PERIODICITY CODE | RATES | MAN HRS | RELATED MAINT |
|-------|-----------|--|------------------|---------|---------|---------------|
| | | control manual before performing this procedure. | | | | |
| | 70 8WMT U | 1. Repaint Metal Surfaces Not Coated with Metal Sprayed Coating (MSC) System. | U-2 | PO3/PO2 | 3.7 | U-1 |
| | | NOTE: Refer to applicable ship class corrosion control manual before performing this procedure. | | | | |
| | C9 8WMU U | 1. Install or Restore Sealant Corrosion Preventive System for Fasteners and Seams. | U-3 | PO3/PO2 | 3.9 | None |
| | | NOTE: Refer to applicable ship class Corrosion Control Manual before performing this procedure. | | | | |
| | C9 8WMV U | 1. Install or Restore Sealant Corrosion Preventive System for Faying Surfaces. | U-4 | PO3/PO2 | 2.8 | None |
| | | NOTE: Refer to applicable ship class Corrosion Control Manual before performing this procedure. | | | | |
| | A9 8WMW U | 1. Install or Restore Dielectric Barrier Corrosion Preventive System. | U-5 | PO3/PO2 | 3.6 | None |
| | | NOTE: Refer to applicable ship class Corrosion Control Manual before performing this procedure. | | | | |
| | 70 8WMX U | 1. Apply Amlguard Water-Displacing Corrosion Preventive Compound (CPC). | U-6 | PO3/PO2 | 3.0 | None |
| | | NOTE: Refer to applicable ship class Corrosion Control Manual before performing this procedure. | | | | |
| | 70 8WMY U | 1. Apply Ultra-Thin Film Water-Displacing Corrosion Preventive Compound (CPC). | U-7 | PO3/PO2 | 2.0 | None |
| | | NOTE: Refer to applicable ship class Corrosion Control Manual before performing this procedure. | | | | |
| | A9 8WMZ U | 1. Apply Fastener Thread Corrosion Control Compound. | U-8 | PO3/PO2 | 2.7 | None |
| | | NOTE: Refer to applicable ship class Corrosion Control Manual before performing this procedure. | | | | |
| | B0 8WNA U | 1. Install/Replace Weatherproof Electrical Connector Protection System; Heat Shrink Tubing. 2. Install/Replace Weatherproof Electrical Connector Protection System; Tape and Sealant. | U-9 | PO3/PO2 | 3.7 | None |
| | A9 8WNB U | 1. Install/Replace Weatherproof Electrical Connector Protection for Topside Connectors Using Cold | U-10 | PO3/PO2 | 2.4 | None |

| OTHER | MRC NO. | MAINTENANCE REQUIREMENT DESCRIPTION | PERIODICITY CODE | RATES | MAN HRS | RELATED MAINT |
|-------|-----------|---|------------------|-------|---------|---------------|
| | | Shrink Tubing. | | | | |
| | | NOTE: Refer to applicable ship class Corrosion Control Manual before performing this procedure. | | | | |
| | 70 9MHD U | 1. Apply Vapor Phase Corrosion Inhibitor Spray. | U-11 | PO2 | 0.3 | None |
| | | NOTE: VCI spray can be used to supplement MRC 18M-1 (8WNC) for enhanced corrosion prevention in electrical boxes. VCI spray is a corrosion inhibiting liquid, applied by spraying the area to be protected. It has a clear, slightly yellow color. | | | | |
| | A9 9ZJJ U | 1. Submit work request to industrial activity to restore failed aluminum or zinc Metal Sprayed Coating (MSC) or to apply MSC to surfaces not already coated, if appropriate. Consult RSG/IMA for guidance. | U-12 | PO2 | 0.3 | None |
| | A9 9ZJK U | 1. Submit work request to industrial activity to restore failed Polymer Powder Coating (PPC) or to apply coating on surfaces not already coated, if appropriate. Consult RSG/IMA for guidance. | U-13 | PO2 | 0.3 | None |
| | A9 9ZJL U | 1. Request IMA Corrosion Control Shop services for Technical Assist to Ship to perform corrosion briefing and survey, if available at local IMA. | U-14 | PO2 | 0.3 | None |
| | 29 9SMM U | 1. Weatherproof Electrical Connector with Gel In Middle Connector Protector (GIMCP). | U-15 | EM | 1.0 | None |
| | | NOTE: Refer to applicable ship class Corrosion Control Manual before performing this procedure. | | | | |

INACTIVE EQUIPMENT MAINTENANCE

The following requirements will be scheduled when equipment is inactivated for periods of prolonged idleness.

None required