1 Nov 2015

SERMC CODE: 900

Waterfront Maintenance Note Number 6

Miniature/Micro-Miniature (2M) Electronic Assembly Repair Utilization

Ref: (a) COMFLTFORCOMINST 4790.3 (JFMM)
(b) NAVSUP P485 Afloat Supply Procedures

Encl (1) RMC 2M Support Request

1. **Purpose:** To establish procedures for requesting SERMC Miniature/Micro Miniature (2M) Electronic Assembly Repair.

2. **Background:** Virtually all Combat Systems and Engineering Plant equipment are listed in the Gold Disk database, which gives SERMC Code 953 the capability of repairing over 109,000 types of electronic modules and Circuit Card Assemblies (CCAs). 2M utilization is a “Front-line strategy” in cost avoidance, a top priority for the US Navy. Ship’s force should aggressively submit all CCAs beyond ship’s force repair capability to SERMC for repair.

3. **Procedure:**
   a. Ships screen all CCAs IAW shipboard 2M program. IAW Ref (b). CCAs beyond economical repair must be submitted to SERMC Code 953 with the screening form.
   b. IAW Ref (b) Disposal at the shipboard level is not authorized for 3H and 3B cogs. If initial repair is unsuccessful, the SPY Phase Shift Driver (PSD). NIINs 01-555-8770 and 01-258-4223, must be turned in to the local RMC/IMA for repair and/or disposal.
   c. The ships EMO will be the single Point of Contact (P.O.C.) for all 2M work submitted to SERMC. The ships EMO must complete and sign Section 2 of the RMC 2M Support Request (Encl. 1) prior to submitting any component to SERMC for repair.
   d. Automatic Test Equipment (ATE) used at SERMC to troubleshoot failed CCAs is based on previously programmed data (Gold Disk Database). If no Gold Disk Database exits for the failed CCA, a known good card will be required to create a new database for that specific card. Once a database is created, future repairs to that type card will be possible using the Gold Disk Database.
   e. In order to minimize electrostatic discharge (ESD) damage to CCAs, proper handling procedures shall be followed to include transporting the items in ESD safe containers IAW Ref (a).

4. **Point of Contact:** For specific questions concerning SERMC capabilities, contact SERMC Mayport Code 953 at **904-270-5126 x3059**, LCPO x3977, DIVO x5856 or PRODUCTION MGR x3115.
# SERMC 2M SUPPORT REQUEST

**SERMC_MYPT_2M@NAVY.MIL**  •  **904-270-5126x3059**

## CUSTOMER SUPPORTING INFORMATION

<table>
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<tr>
<th>Command</th>
<th>USS / Hull Number</th>
<th>System</th>
<th>Equipment Nomen</th>
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<tbody>
<tr>
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<td>Assy Name</td>
<td>CCA Nomen</td>
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### Date of Request

**DATE**

## Shipboard 2M/MTR Support Data

<table>
<thead>
<tr>
<th>Job Brief / Faulty Indication:</th>
<th>Description of what work needs to be done and fault symptoms</th>
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</thead>
</table>

### Levels of Troubleshooting Completed:

- [ ] Visual
- [ ] MTR
- [ ] 2M

**Note:** Backlog, time inhibited or other circumstance

### Gold Disk Supported

- [x] No
- [ ] Yes

**Routine ID:**

**Available Troubleshooting Aids Attached:**

### Troubleshooting Performed By:

**Title / Print**

## EMO Authorization - CASREP and Request Priority

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<th>Repair Will Avert CASREP?</th>
<th>Yes</th>
<th>Repair Required</th>
<th>CASREP CAT</th>
<th>DTG: Date Time Group</th>
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### EMO Print

**Date**

### EMO Sign

**Date**

### RMC Support Log

**Lead Work Center 953**

### Drop-Off

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<th>Date</th>
<th>Received By (RMC)</th>
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<th>Date</th>
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### Screening

**Troubleshooting Completed:**

- [ ] Visual
- [ ] MTR
- [ ] 2M

**Gold Disk Supported:**

- [ ] No
- [ ] Yes

**Routine ID:**

**Troubleshooting Complete**:

- [x] Yes
- [ ] No*

*Reason noted in comments

**Reparis Complete**:

- [ ] Yes
- [ ] No*

*Reason noted in comments

### Comments:

**Additional Comments and/or Parts Addendum Attached:**

**Title / Print**

**Man Hours**

**Work Performed By**

**Title / Print**

**Date**

### Inspection

**Title / Print**

**Title / Sign**

**Date**

**Work Performed**

**Title / Print**

**Sign**

**Date**

### Pick-Up

**Title / Print**

**Sign**

**Date**

**RMC Representative**

**Received By (S/F)**

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**RMC SUPPORT LOG (CONTINUED)**

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**COMMENTS:**

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