

19 Nov 2015

SERMC CODE: 900

WATERFRONT MAINTENANCE NOTE Number 13

MK 137 MODS 1,2, and 4 SRBOC Decoy Launching System Refurbishment

The following references are provided to assist ships force in preparation for overhaul of MK 137 MODS 1,2 and 4 SRBOC Launcher.

- Ref: (a) NSWC CRANE NSL-Q32-WXM-2012-048 DTD 15MAY2012
(b) SW393-A1-MMM-010 REVISION 4, Launching System, Mk 36, Mods 1,2,5,6,11, 12,17 Through 19.
(c) SW393-CO-MMM-A10 REVISION 8 Decoy Launching System MK 53 Mods 3 Through 8
(d) S9086-VD-STM-010 Chap. 631, Preservation of Ships in Service
(e) NAVSEA STD Item 009-32 Cleaning and Painting

Encl: (1) Memorandum of Understanding (MOU)

Requirements.

1. Purpose: To define the specific shipboard/RMC responsibilities that are required to support MK 137 SRBOC Decoy Launcher ships force self-help overhaul. Adherence to this procedure will enable all MK 137 SRBOC equipped ships system homeported in Mayport to receive technical assistance from SERMC CODE 954 SRBOC shop personnel in the performance of the ships force self-help project.

2. Background: IAW Ref (a), the MK 137 SRBOC Launcher is required to receive overhaul on average once every 48-72 months. SBROC Launcher overhaul will be performed by ships force and SERMC Code 954 IAW Ref (a). A Memorandum Of Understanding (Enclosure 1) will be signed by all parties prior to commencing any work.

3. Procedures:

Ship's Force (S/F) shall:

- a. S/F submit one 4790/2K per launcher for refurbishment.
- b. SERMC Code 954 personnel will contact S/F to confirm a date for the visual inspection and operability test.
 1. Visual inspection will include checking all painted surfaces, fasteners, clamp, and junction boxes (inside and out).
 2. Operability test will be performed from bridge panels and will test all internal components such as empty/loaded switches, safe/on switch, lamp, and fire voltage checks.
 3. All findings and results will be documented on the Pre-Refurbishment report and Post-Refurbishment report.
- c. Upon completion of inspection and testing, S/F will tag-out MK 137 Decoy Launching System in accordance with ship's tag-out procedures.
- d. In preparation for Decoy Launching System (DLS) removal, S/F personnel will remove all base bolts and electrically disconnect launcher from ship's mounts.
- e. Once launchers are removed, S/F will perform corrosion control and prime the launcher foundation IAW Ref (c).
- f. Once primer has dried, cover with plastic to ensure a clean surface is maintained.
- g. Ensure all wiring is properly labeled IAW Ref (a), bagged, and sealed to ensure no water intrusion can occur.

4. SERMC Code 954 shall:

- a. SERMC Code 954 personnel will arrange crane services for a specified date coordinated with S/F.
- b. Code 954 personnel will transport launchers to SERMC for overhaul IAW Ref (a) and (b).
- c. S/F technician is required to be Temporarily Assigned Duties (TAD) to SERMC to help with breakdown of launchers.
- d. During breakdown all parts deemed obsolete or damaged beyond repair IAW Ref (a) and (b) will be discarded accordingly.

e. Once assembled, the decoy launchers will be bench tested with both SERMC and S/F personnel present.

f. SERMC Code 954 personnel will arrange crane services for a specified date coordinated with S/F.

g. S/F and SERMC Code 954 personnel will ensure system is still tagged out.

h. Once launchers are placed onboard, S/F personnel will complete the initial installation by electrically and mechanically reconnecting launcher to the ship's system with SERMC Code 954 oversight.

i. Once the initial installation is complete, S/F and SERMC Code 954 personnel will clear tag-out and perform an operational test of launchers.

j. Once all conditions of the installation are met and all testing has proven satisfactory results, S/F personnel will return system to normal operation.

5. Points of Contact: For further guidance or information, contact SERMC Code 954 at 904-270-5126 x3977, x5856 or x3115.

**Southeast Regional Maintenance Center (SERMC)
Combat System Production**

**Memorandum of Understanding for Super Rapid Bloom Off Chaff (SRBOC)
Launcher Ships Force Self Help Refurbishment**

The SERMC Combat Systems Production (Code 950) provides assistance to ships force personnel in conducting a Ships Force SRBOC Launcher Refurbishment. Launchers will be accepted only during availabilities of 8 weeks or longer. It is the ships force personnel's responsibility to accomplish the refurbishment on time

Ship's Force (S/F) shall:

- 1) Submit one 4790/2K (2K) per launcher for refurbishment during ship's maintenance availability. Order and provide Overhaul Kits and associated parts for each Launcher as directed.
- 2) Tag out MK 137 Decoy Launching System in accordance with ships instruction, remove all base bolts, and electrically disconnect launcher from ship.
- 3) Once launchers are removed, ensure all wiring is properly labeled, bagged, and sealed to ensure no water intrusion occurs. Prior to the reinstallation of the refurbished launchers, S/F must perform preservation on the launcher foundations.
- 4) Assign two (2) S/F technicians for temporary duty at SERMC for duration of tear down, refurbishment, and rebuild of launchers. This valuable training experience will provide in-depth knowledge on the proper procedures for maintenance of the Decoy Launcher System. Duration of temporary duty is normally four to five weeks.
- 5) Ship's Work Center Supervisor or LCPO shall observe the bench test at SERMC at the completion of the refurbishment prior to installation.
- 6) Assist in the transportation of refurbished launchers return to the ship.
- 7) Electrically and mechanically reconnect launchers.
- 8) Coat all reinstalled bolts with polysulfide to protect against topside elements.
- 9) Clear safety tags.
- 10) Perform an operational test of launchers with SERMC personnel observing.
- 11) Return system to normal operation.

b. SERMC shall:

- 1) Coordinate all crane services.
- 2) Repair all MK 191 Mod 0 test cartridges. Test cartridges are covered under ship's blanket 2M/MTR jobs. No 2K is required.
- 3) Transport launchers from/to ship.
- 4) Assist S/F with Overhaul/refurbish launchers as required.

Enclosure (1)

- 5) Observe all required pre/post refurbishment maintenance requirements.
- 6) Provide oversight and guidance to S/F throughout the process.
- 7) Provide a safe working area for S/F to perform maintenance.

The following agreement is in place:

1. SHIP'S NAME understands Ships Force (S/F) personnel are required to be available the entire time the job is in progress. If S/F personnel are not made available, there will be no guarantee of completion by avail end date.
2. SHIP'S NAME understands that the launchers must be disconnected and ready to be removed no later than START DATE. It is also understood that launchers delivered after this date will not be accepted and the ship will lose the opportunity to have the launchers refurbished during this availability. Work will have to be rescheduled for a later availability.

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| Signature | <u>SHIP'S NAME</u> | (Co or rep) | Date |
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| Signature | ,SERMC Code 900 Dept. Head or Rep | Date |
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| Signature | SERMC Code 950 Product Family Supervisor | Date |
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Enclosure (1)