

26 February 2018

SERMC CODE: 900

Waterfront Maintenance Note Number 18

MK 41 VLS Deluge System Water Treatment and Deluge Valve Overhaul

- Ref:
- (a) IMS NO. 4710-5982374-1 REV D, Deluge System Water Treatment
 - (b) IMS NO. 4810-5497337-3 REV L (series), Deluge Valve Overhaul
 - (c) OPNAVINST 5100 series
 - (d) MIP 7211/015, MRC 72M-1, Overhaul VLS Deluge System
 - (e) MIP 7211/U01, MRC U-H3, Fill/Charge Empty Deluge System
 - (f) MIP 7211/U01, MRC U-3, Secure Deluge System
 - (g) MIP 7211/U01, MRC U-A5, Replace Deluge Valves
 - (h) MIP 7211/U01, MRC U-H1/U-H2 (ass applicable), Charge Deluge System Air
 - (i) Shipboard CSOSS Procedures

1. Purpose: To establish procedures for scheduling and accomplishment of MK 41 VLS Deluge Valve Overhaul and Deluge System Water Treatment, IAW Refs (a-i).

2. Background: SERMC Ordnance Code 952 is capable of conducting deluge valve overhaul and water treatment IAW Ref (d). This procedure is authorized for use on the MK41 Vertical Launching System (VLS), in normal situations without ordnance present.

Note: There can be special circumstances in which this maintenance needs to be performed with ordnance onboard. However, in this case, the maintenance shall only be coordinated, directed and accomplished under strict supervision of a NAVSEA certified MK41 VLS Test Director/System Maintenance Technician.

3. Procedure: The following is a listing of responsibilities during the procedure:

a. Ship's Force (S/F) shall:

- 1) Submit two (2) 4790/2Ks, one (1) 2-kilo per launcher requesting SERMC to conduct Water Treatment IAW Ref (d).

Sample 4709/2K:

FWD VLS Launcher deluge system requires Chelate Flush IAW PMS MIP 7211/015 MRC 72M-1 XXX SERMC Code 952 perform Chelate Flush IAW IMS Procedure VLS-5982374-1 Rev D

- 2) Submit one (1) 4790/2K per module requesting SERMC conduct Deluge Valve Overhaul IAW Ref (d).

Sample 4790/2K

FWD VLS Launcher Module 5 Deluge Valves require overhaul IAW PMS MIP 7211/015 MRC 72M-1 XXX SERMC Code 952 perform deluge valve overhaul IAW IMS Procedure IMS-4810-5497337-3 Rev L series.

- 3) Contact SERMC Code 952 for coordination and guidance prior to starting any work.
- 4) Provide full S/F work center personnel support during all phases of the deluge system overhaul.
- 5) Depressurize and drain deluge system IAW Ref (f)
- 6) Prepare for the Removal of the deluge valves from launcher(s) IAW Ref (g), but do not remove the valves until SERMC Code 952 is onboard with their transportation box. As the valves are removed they must be tagged with the location they were removed from, i.e FWD MOD 5 Cell 4 etc.
- 7) After completion of Ref (a), Parts I and II, and Ref (b), install deluge valves IAW Ref (g).
- 8) After full completion of Ref (a) and (b), return equipment to current readiness condition IAW Ref (e) (h) and (i).

b. SERMC shall:

- 1) Perform Deluge Valve overhaul and Deluge System Water Treatment IAW Ref (a) and (b).

 - 2) Conduct briefing with S/F personnel and chain of command to discuss Deluge Valve overhaul, Deluge System Water Treatment, work schedule, required support, and applicable MRC cards required to conduct the water treatment.

 - 3) SERMC Code 952 will report completion to Code 950 Product Family Supervisor who will in turn notify the appropriate SERMC Code 290 personnel.
4. Point of Contact: For further guidance and information, contact SERMC (code 952) at 904-270-5126 x3977, x5856 or 3115.