

27 September 2011

SERMC CODE: 900

Waterfront Maintenance Note Number 9

MK 38 Mod 1 Chain Gun System, Removal and Overhaul

- Ref: (a) SW360-AF-MMO-010, MK 38 Mod 1 25MM Gun System Operation, Description and Illustrated Parts Breakdown
(b) MRC 7111/R22-45 Q-1R, Pre-fire Clean, Inspect, Lubricate, and Test
(c) MRC 7111/R22-45 Q-3R, Post-fire Clean, Inspect, Lubricate, Test, and Record Rounds Fired
(d) Combat Systems Operational Sequencing System (CSOSS) Procedures, Ship Specific
(e) SERMC Combat System SMP 294.001

1. Purpose: To establish procedures for scheduling a Mk 38 Mod 1 Chain Gun System removal and overhaul.

2. Background: The MK 38 25MM Chain Gun is a reliable weapon system and with proper sustained maintenance and weather protection can be maintained in a high state of readiness. It is paramount that ships force properly maintain the MK 38 25MM guns while installed onboard.

3. Procedure:

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

(1) Maintain Mk 38 Mod 1 Chain Gun System per required PMS procedures. SERMC has received several casualty reports indicating jams or gun failures in automatic mode. In most cases, troubleshooting revealed improper gun timing. Following the maintenance procedures listed in Refs (b) and (c) will dramatically reduce casualties.

(2) Maintain an accurate Rounds Count Log IAW Ref (c).

(3) Prior to post-deployment maintenance availability, submit four 4790/2k's (two per gun mount) for the removal and overhaul of both port and starboard gun mounts.

Sample 2K:

Removal of (port/stbd) MK38 Mod 1 25MM Chain Gun required XXX SERMC Ordnance code 954 remove.

**Overhaul of (port/stbd) MK38 Mod 1 25MM Chain Gun required XXX
SERMC Ordnance code 954 overhaul.**

(4) Prior to removal:

(a) Facilitate SERMC assessment and ship check of MK 38 Mod 1 Chain Gun System prior to electrical isolation and system tagout.

(b) Upon completion of SERMC assessment, electrically isolate Gun Mount IAW Ref (d).

(c) Break Loose Base Bolts.

(d) Return the Rounds Count Log with each installed MK 38 Mod 1 Chain Gun Mount IAW Ref (c).

b. SERMC shall: Coordinate MK 38 mod 1 Chain Gun System post-deployment removal and overhaul per Ref (e).

4. Points of Contact: For further guidance or information, contact SERMC code 954 at 904-270-5126 x3115 or x5824.