

7 October 2011

SERMC CODE: 200

**Waterfront Maintenance Note Number 17**

**Electromagnetic Compatibility (EMC) Survey Request Procedure**

- Ref:
- (a) Shipboard Electromagnetic Compatibility Improvement Program (SEMCIP)
  - (b) Applicable Ship's Electromagnetic Control Measure Drawings from NAVSEA SEMCIP Technical Assistance Network (STAN)
  - (c) Applicable Ship's Hazards of Electromagnetic Radiation to Personnel (HERP) and Fuel (HERF) Survey
  - (d) NAVSEA Drawing 407-8436450 rev. 4
  - (e) MIL-STD 1310(h)

1. Purpose: To establish procedures for scheduling shipboard Electromagnetic Compatibility (EMC) Survey IAW refs (a-e).

2. Background: EMC surveys are performed by SERMC for the purpose of testing various ships' systems for Electro Magnetic Interference (EMI) degradation. During an EMC survey, EMI problems are investigated and evaluated for the installation of proper corrections for applicable EMI fixes.

3. Procedure:

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

(1) Submit an OPNAV 4790/2K, with primary and alternate dates, requesting SERMC to conduct an EMC assessment.

(2) Schedule EMC assessment so it does not coincide with evolutions that restrict either HF antenna radiation or personnel movement about the ship. EMC surveys require 4 to 5 days to include 1 to 2 days aloft. Unless otherwise requested, surveys will normally be accomplished during the last week of an availability in order to reduce the impact to shipboard systems.

(3) Provide two dedicated personnel to facilitate EMC visit, preferably one IT and one ET. These personnel will receive valuable training from the EMC specialist, correct minor discrepancies, and serve as safety observers for the aloft evolutions. In addition, these personnel will receive guidance for submission of work orders to SERMC on identified discrepancies that are beyond ship's force capabilities.

b. SERMC shall:

(1) Perform EMI survey IAW procedures and requirements within above references.

(2) Forward the official report by E-mail to the ship's CO and respective Maintenance Team approximately 2 weeks after survey visit is completed.

4. Points of Contact: For further guidance and information, contact SERMC code 284 at 904-270-5126 x3187.