



UNITED STATES MARINE CORPS  
MARINE CORPS RECRUIT DEPOT/EASTERN RECRUITING REGION  
PO BOX 19001  
PARRIS ISLAND, SOUTH CAROLINA 29905-9001

IN REPLY REFER TO:  
DepO 8000.7A  
FMEO  
12 MAR 2014

DEPOT ORDER 8000.7A

From: Commanding General  
To: Distribution List

Subj: INSPECTION AND TESTING OF LIGHTNING PROTECTION AND  
GROUNDING SYSTEMS FOR AMMUNITION SUPPLY POINT

Ref: (a) NAVSEA OP-5, Vol 1 (NOTAL)  
(b) MIL-HDBK 1004/6 Military Handbook (NOTAL)  
(c) NFPA-78 National Fire Protection Association  
Pamphlet (NOTAL)

1. Situation. To establish responsibilities, requirements, and test procedures for the inspection testing, maintenance, and repairs of the lightning protection and grounding systems for the Ammunition Supply Point (ASP). This program is established per the requirements contained in references (a) through (c).

2. Cancellation. DepO 8000.7

3. Mission. Provide procedures for visual inspection and electrically testing grounding systems for all primary girdles, secondary girdles, structural grounds, metal masses, and all other devices that are part of the lightning protection system. All visual inspections and electrical testing will be per this order and the references.

4. Execution

a. Tasks

(1) Facilities Maintenance Engineer Officer (FMEO)

(a) Have overall responsibility for ensuring the lightning protection/grounding systems of all magazines and storage areas are inspected, maintained, repaired, and tested to meet the requirements of the references.

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(b) Set up and issue to the Electrical Shop a grounding system test plan for the visual and electrical testing of primary and secondary grounding systems components. The test plan for magazines and storage areas shall identify the grounding system test locations along with a listing of items to be tested and type of test to be conducted.

(c) Initiate actions for visual and electrical inspection of lightning protection and grounding systems. Visual is required every six months, electrical is required every 24 months. Provide a checklist for each magazine and storage area with test points identified.

(d) Receive and analyze all test data to determine that all referenced specifications are met. Initiate actions to correct deficiencies, monitor test data for trend development, and maintain test data for five test cycles.

(e) Ensure necessary test equipment is placed on a calibration program for calibration in accordance with factory specifications.

(2) Electrical Shop (Facilities Maintenance Division).

(a) Visually inspect all primary and grounding systems (structural ground, metal masses, fences, and gates) every six months, with personnel from ASP.

(b) Perform electrical test on all primary lightning protection systems, secondary grounding systems including structural grounding, metal masses, gates, etc., every 24 months.

(c) Document all test results on grounding system test reports and inspection check sheets; forward one copy to the FMEO, one copy to the Officer in Charge of ASP, and one copy to the Depot Explosives Safety Officer. The inspection plan must identify all inspection points and shall be signed by the individual performing the inspection.

(d) Repair immediately all minor discrepancies found during inspection. Record all discrepancies which cannot be corrected.

(e) Spot check electrical equipment and installation when performing visual inspection. Report discrepancies to the FMEO.

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(f) Ensure Test Reference Points (TRP) are clearly identified.

(g) Train all personnel required to perform visual inspection and electrical testing of lightning protection and grounding systems. Assign only qualified personnel to perform tests and inspections.

(3) Public Works Officer. Ensure designs for all new explosive buildings, magazines, new additions, and replacement of equipment includes all necessary bonding, grounding, and lightning protection requirements per the references.

(4) Resident Officer In Charge of Construction (ROICC).

(a) Monitor contract work closely to make sure grounding systems are not painted over, dismantled, or damaged by contractors.

(b) Assure when new metal doors, door frames, metallic masses (400 square inches or larger), gutters, downspouts, etc., are replaced, the contractor will install or replace grounding as required.

(c) Notify the FMEO to place facilities on grounding test schedule when new facility is complete.

(d) Ensure no excavation work is performed in the vicinity of ordnance facilities (buildings/magazines) before identifying the location of the primary and secondary girdles.

b. Coordinating Tasks. None

5. Administration and Logistics. None

6. Command and Signal. This order is effective the date signed.

  
R. L. GRABOWSKI  
Chief of Staff

DISTRIBUTION: SPECIAL  
FMEO  
PWO  
ROICC  
Electrical Shop  
OIC, ASP

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AC/S, Supply & Services  
C/S  
Depot Safety Officer  
Depot Inspector  
Armory  
Fire Dept