



UNITED STATES MARINE CORPS
I MARINE EXPEDITIONARY FORCE
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MEFO 5104.3
SAFETY
12 MAY 2003

I MARINE EXPEDITIONARY FORCE ORDER 5104.3

From: Commanding General, I Marine Expeditionary Force
To: Distribution List

Subj: I MARINE EXPEDITIONARY FORCE RADIATION SAFETY PROGRAM

Ref: (a) MCO 5100.29
(b) Title 10 Code of Federal Regulations
(c) NAVSEA Technical Manual S0410-AA-RAD-010 (NOTAL)
(d) OPNAVINST 6470.3 (NOTAL)
(e) NAVMED P-5055
(f) MCO 5104.3
(g) NRMP 10-67004-T1NP
(h) NRMP 10-67004-T2NP
(i) NRMP 10-67004-T3NP
(j) USA Permit 12-00722-06

1. Situation. As directed by guidance in references (a) through (j), this order provides the policy, assigns responsibility, establishes instructions, and sets forth requirements for the administration of the I Marine Expeditionary Force (I MEF) Radiation Safety Program as a component of the I MEF Safety Program implemented by reference (a). This Order delineates and enacts the program elements necessary to assure compliance with Federal Regulations, U. S. Nuclear Regulatory Commission (NRC) licenses, the Department of the Navy's Master Materials License (DON MML), Radiological Affairs Support Program (RASP), Army Materials License, and specific Naval Radioactive Materials Permits (NRMP's) issued to the Marine Corps. Refer to applicable technical or maintenance instructions for specific radiation-safety requirements and responsibilities.

2. Mission

a. This Order applies to all I MEF commands and activities possessing or using sources of ionizing radiation, in the form of radioactive materials, or radiation producing equipment. It does not apply to the use of any medical x-ray equipment, fixed

or portable, used by Health Service personnel in support of I MEF operations.

b. For the purpose of this order, the term I MEF personnel applies to all I MEF military and civilian personnel, including reserve military. The term "Commander" refers to Commanding Generals, Commanding Officers, or Officers-in-Charge as applicable.

c. Marine Expeditionary Unit (MEU) Commanders in overseas areas may modify certain policies and procedures when dictated by host-nation relationships. A copy of modified policies to this Order will be forwarded to I MEF for approval.

3. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent

(a) Control radioactive materials and sources of ionizing radiation to minimize personnel exposures to a level as low as reasonably achievable (ALARA), to prevent contamination of personnel, equipment, facilities, and to account for a serialized inventory of devices.

(b) Conduct operations such that the total effective dose equivalent to individual members of the public does not exceed 0.1 rem (1.0 mSv) in a year and the dose in any unrestricted area from external radiation does not exceed 0.002 rem (0.02 mSv) in any one hour.

(2) Concept of Operations

(a) Enclosure (1) of reference (f) provides the foundation for the Marine Corps Radiation Safety Program. This section summarizes background information, program requirements, program responsibilities, and training requirements.

(b) Enclosures (2) and (3) of reference (f) provide specific guidance, procedures and information for certain radioactive commodities employed in the Marine Corps.

(c) Enclosure (4) of reference (f) provides information about radiation detection instruments (RADIACS).

(d) Enclosure (5) of reference (f) provides a glossary of terms as they relate to the Marine Corps radiation safety program.

(e) References (g) through (i) provide reporting requirements for inventories of radioactive material.

b. I MEF Subordinate Commands

(1) Comply with the intent of the enclosures and the content of this Order.

(2) Commanders shall assure that their radiation safety programs reflect command support and fulfill the requirements of this Order.

c. Coordinating Instructions. Submit all recommendations concerning this Order to I MEF via the appropriate chain of command.

4. Administration and Logistics

a. Commanding General, I MEF. Will appoint a qualified Command Radiation Safety Officer (CRSO) to ensure compliance with references (a) through (f).

b. Commanding Generals of 1st Marine Division, 3rd Marine Aircraft Wing, and 1st Force Service Support Group

(1) Appoint, in writing, a Command Radiation Safety Officer (CRSO) at the staff level and Radiation Program Assistants (RPAs) down to the battalion/squadron level per the requirements of this Order. Ensure that individuals appointed are trained and qualified per the requirements of reference (f).

(2) Publish appropriate local Orders implementing formal Command Radiation Safety Programs per the requirements of reference (f).

c. Commanders of Marine Expeditionary Units and I MHG

(1) Appoint, in writing, a Radiation Protection Assistant (RPA) at the staff level and ensure additional Radiation Program Assistants (RPAs) down to the battalion/squadron level per the requirements of this Order. Ensure that individuals appointed are trained and qualified per the requirements of reference (f).

(2) Publish appropriate local Orders implementing formal Command Radiation Safety Programs per the requirements of reference (f).

5. Command and Signal

a. Command. This Order is applicable to the components of the I Marine Expeditionary Force that acquire, use, store, handle, transport or dispose equipment or material containing radioactive equipment or commodities.

b. Signal. This Order is effective the date signed.


J. T. CONWAY

Distribution: LIST II