



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
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OPNAVINST 6470.2D
N45
24 Apr 2018

OPNAV INSTRUCTION 6470.2D

From: Chief of Naval Operations

Subj: OCCUPATIONAL IONIZING RADIATION PROTECTION PROGRAM

Ref: (a) DoD Instruction 6055.08 of 15 December 2009
(b) SECNAVINST 5100.10K
(c) E.O. 12344
(d) SECNAVINST 8120.1B

1. Purpose. To formalize a uniform occupational radiation protection program for the Department of the Navy (DON), as required by references (a) and (b). Major change to this revision include the standardization of language in paragraph 7 (responsibilities). This instruction is a complete revision and should be reviewed in its entirety.
2. Cancellation. OPNAVINST 6470.2C.
3. Scope. The provisions of this instruction apply during peacetime to all DON personnel who are occupationally exposed to ionizing radiation. Personnel who undergo diagnostic or therapeutic radiological procedures in medical or dental facilities are excluded.
4. Background. The Secretary of the Navy (SECNAV) assigned Chief of Naval Operations responsibility to establish and manage coordination with the Commandant of the Marine Corps for those matters which affect the Marine Corps.
5. Discussion. An occupational radiation protection program is the sum of all the methods, plans, and procedures used to control personnel exposure to ionizing radiation. The purpose of this program is to provide the means to preserve and maintain the health of personnel while they accomplish necessary and meaningful work in or around areas containing radioactive material or ionizing radiation fields. Radiation protection within the DON is achieved by complying with the requirements of the Radiation Health Program under the cognizance of Chief, Bureau of Medicine and Surgery (BUMED) and the requirements of Director, Strategic Systems Programs (DIRSSP) and Commander, Naval Sea Systems Command (COMNAVSEASYS COM). Each of these commanders publishes requirements and exercises oversight authority within the scope of their individual programs.
6. Policy. It is DON policy to reduce occupational exposure to radiation associated with Navy and Marine Corps operations to a level as low as reasonably achievable.

7. Responsibilities. Occupational exposure occurs in four separate and distinct areas: Medical-dental, naval nuclear propulsion, naval nuclear weapons, and a variety of operational, industrial, and research applications.

a. Chief, BUMED. Occupational exposure may be received by medical and dental personnel operating radiation producing machines and working with radiopharmaceuticals or other radiation sources. Chief, BUMED is responsible for:

(1) Control of radiation and radioactivity associated with medical and dental activities.

(2) Enforcement of standards and regulation for these areas as they affect the environment, safety, and health of workers, patients, and the general public:

(3) Approval and issuance of requirements for the radiation health programs applicable to all Navy and Marine Corps radiation protection programs.

b. Director, Naval Nuclear Propulsion Program (CNO N00N). Occupational exposure may be received by personnel who operate and maintain naval nuclear propulsion plants. Reference (a) is not applicable to the Naval Nuclear Propulsion Program. Per reference (c), and Title 50 U.S. Code sections 2406 and 2511, the CNO N00N is responsible for:

(1) Control of radiation and radioactivity associated with naval nuclear propulsion activities.

(2) Enforcement of standards and regulation for these areas as they affect the environment and safety and health of workers, operators, and the general public.

c. DIRSSP. Occupational radiation exposure may be received by personnel who stow, handle, and maintain naval nuclear weapons. Reference (a) is not applicable to the Naval Nuclear Weapons Program. Per reference (d), the DIRSSP is responsible for:

(1) Control of radiation and radioactivity associated with naval nuclear weapons activities.

(2) Enforcement of standards and regulation for these areas as they affect the environment, safety and health of workers, operators, and the general public.

d. COMNAVSEASYSCOM. Occupational exposure may be received by DON personnel involved in the operational environment and with industrial and research applications of radioactive sources and radiation producing machines. The Radiological Affairs Support Program oversees these areas not associated with references (c) and (d). COMNAVSEASYSCOM is responsible for:

(1) Control of radiation and radioactivity associated with the Radiological Affairs Support Program.

(2) Enforcement of standards and regulation for these areas as they affect the environment, safety, and health of workers, operators, and the general public.

8. Action. Commanders responsible for radiation protection will follow the requirements of references (a) through (d) and applicable radiation protection guidance for Federal agencies.

9. Records Management. Records created as a result of this instruction, regardless of media and format, will be managed per SECNAV Manual 5210.1 of January 2012.

10. Review and Effective Date. Per OPNAVINST 5215.17A, OPNAV N45 will review this instruction annually around the anniversary of its issuance date to ensure applicability, currency, and consistency with Federal, Department of Defense, SECNAV, and Navy policy and statutory authority using OPNAV 5215/40 Review of Instruction. This instruction will be in effect for 5 years, unless revised or cancelled in the interim, and will be reissued by the 5-year anniversary date if it is still required, unless it meets one of the exceptions in OPNAVINST 5215.17A, paragraph 9. Otherwise, if the instruction is no longer required, it will be processed for cancellation as soon as the need for cancellation is known following the guidance in OPNAV Manual 5215.1 of May 2016.



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Releasability and distribution:

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