



DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
WASHINGTON, DC 20350-2000

IN REPLY REFER TO  
OPNAVINST 9210.2B  
Ser N00N/4U0019

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OPNAV INSTRUCTION 9210.2B

From: Chief of Naval Operations

Subj: ENGINEERING DEPARTMENT MANUAL FOR NAVAL NUCLEAR  
PROPULSION PLANTS (U)

Ref: (a) NAVSEA S9213-41-MAN-000/(C), *Engineering Department Manual for Naval Nuclear Propulsion Plants (EDM)*  
(b) OPNAVINST 3120.32 Series, *Standard Organization and Regulations Manual of the U.S. Navy*  
(c) OPNAVINST C3000.5 Series, *Operation of Naval Nuclear-Powered Ships*

1. **Purpose.** To implement the standard instructions contained in reference (a) for organizing engineering/reactor departments of naval nuclear-powered ships.

2. **Cancellation.** On 1 October 2004, reference (a) will supersede enclosure (1) of OPNAVINST C9210.2A of 22 July 1998 as the EDM.

3. **Policy**

a. Engineering departments of naval nuclear-powered ships shall be organized in accordance with reference (a). For ships authorized by the Chief of Naval Personnel to have both engineering and reactor departments, the reactor department shall be organized in accordance with reference (a), with the Reactor Officer responsible for the areas specified in reference (b).

b. The operation of naval nuclear-powered ships involves not only the safety of the ships and their crews, but also the health and safety of the general public in surrounding areas. The EDM gives commanding officers of naval nuclear-powered ships the authority and direction necessary to carry out their responsibilities in this area in accordance with reference (c). Nuclear-trained crewmembers of a naval nuclear-powered ship are assigned to that ship for the primary purpose of safely operating and maintaining the nuclear propulsion plant in accordance with applicable manuals and instructions. No other assignments or duties are to take precedence over or interfere with this primary purpose.

c. The EDM provides regulations covering foreseeable operational situations. If situations arise that are not addressed in the EDM, commanding officers must use their training and experience when determining the proper course of action to follow. Such judgments must be conservative in nature; the commanding officer shall take additional precautions as deemed necessary to provide adequate protection to the crew, the plant, the environment, and the public.

d. Nothing in the EDM should be construed as superseding, modifying, or constituting authority to make any changes to U.S. Navy Regulations, the ship's Reactor

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Plant Manual, or other applicable manuals and instructions that govern the construction, testing, operation, and maintenance of naval nuclear propulsion plants.

e. The provisions of the EDM are designed to give commanding officers assistance and guidance based on the experience gained through many years of operating naval nuclear-powered ships. In implementing the EDM, no changes shall be made to the provisions and intent of the manual. If commanding officers do not understand the intent of the EDM, they should initiate official correspondence to seek clarification and guidance. Recommended changes to the EDM should be submitted to the Chief of Naval Operations (N00N) via the applicable type commander.

f. Type commanders may issue Engineering Department Organization Manuals / Reactor Department Organization Manuals, based on the EDM, for nuclear-powered ships under their cognizance. These standard manuals and any subsequent changes thereto shall be provided to the Chief of Naval Operations (N00N) for review before being issued.

g. Ships requiring deviations from the EDM should submit requests to the Chief of Naval Operations (N00N) for approval. Proposed deviations from the EDM should be submitted via the applicable type commander.

h. Data sheets, checklists, and forms completed before 1 October 2004 and meeting the requirements of OPNAVINST C9210.2A will still be valid and shall be superseded when performance of the data sheet, checklist, or form is required by reference (a).

i. Activities that require additional copies of this instruction or hardcopies/ CD-ROMs of reference (a) should submit a written request to Naval Reactors Headquarters, attention 08B-Line Locker. Supporting justification for additional hardcopies/CD-ROMs of reference (a) should be included in the request.

4. **Action.** The provisions of reference (a) shall be put into effect as part of the organization of naval nuclear-powered ships. No changes shall be made to the provisions of reference (a) without the specific approval of the Chief of Naval Operations (N00N).

5. **Training.** Initial issuance and future changes to reference (a) will include a change synopsis summarizing the major revisions to the EDM. The change synopsis is for information and should be used as a basis for training on the changes in reference (a).



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