



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

OPNAVINST 4442.1G
N4
4 Jun 2012

OPNAV INSTRUCTION 4442.1G

From: Chief of Naval Operations

Subj: STOWAGE AND SPACE REQUIREMENTS FOR NEW CONSTRUCTION AND
MAJOR CONVERSIONS OF SHIPS

1. Purpose

a. To set forth criteria governing shipboard stowage space requirements for supply support material.

b. The requirements addressed in this directive apply to stowage spaces required for self support and have been expanded to include the following items: equipment related repair parts (including classified repair parts), other consumables, hazardous materials (HAZMAT), medical stores, ship store stock, and provisions (including frozen, chilled and dry). They do not apply to bulk fuel and ammunition stowage spaces.

2. Cancellation. OPNAVINST 4442.1F.

3. Policy

a. The endurance goals listed in the table below reflect the stockage objectives (i.e., the sum of the operating and safety levels of stock), which represent the desired quantity of material (in days of supply) each platform type should be capable of storing onboard to sustain operations. The size of shipboard storerooms for designated categories of material will be adequate to stow this quantity of material. These endurance goals are derived from fleet operating requirements and logistics support plans, and should shape planning efforts for supply and medical materiel stowage in new construction and major conversion of ships entering the preliminary design phase after the date of final approval of this instruction.

Ship Class	Equipment Related Repairables and/or Consumables ¹	Other Consumables	HAZMAT	Medical Stores	Ship Store Stocks ²	Frozen Provisions	Chilled Provisions	Dry Provisions
Carriers (CVN)	90	75	90	90	75	45	30	60
Surface Combatants (CG, DDG, FFG)	90	60	60	60	60	30	30	45
Mine Countermeasure (MCM)	90	45	45	45	NA	14	14	21
Littoral Combat Ship (LCS)	21	21	21	21	NA	14	14	21
Submarines (SSBN, SSGN, SSN)	90	90	90	90	NA	90	90	90
Tenders (AS)	90	90	90	90	90	90	90	90
Amphibious Ships (LHA, LHD, LPD, LSD, LCC)	90	75	90	90	60	45	30	60
Amphibious Embarked Units	NA	NA	60	60	NA	NA	NA	NA
Fleet Auxiliaries	90	90	90	NA	NA	60	30	90

CG - guided missile cruiser; DDG - guided missile destroyer; FFG - guided missile frigate; SSBN - ballistic missile submarine; SSGN - guided missile submarine; SSN - attack submarine; LHA - amphibious assault ship (general purpose); LHD - amphibious assault ship (multipurpose); LPD - amphibious transport dock; LSD - dock landing ship; LCC - amphibious command ship.

Note: Repair parts and equipment related consumables includes classified parts. Ship store stock includes ship store retail items, clothing, cost of operations items, canned beverages, etc.

b. Fleet ocean tugs, rescue and salvage ships, landing craft, patrol craft, and any other ship type less than 1,000 tons displacement or not specifically listed in paragraph 3a shall have stowage space sufficient to provide the requisite endurance levels to accomplish assigned missions.

c. Although the space requirements identified above are based on operational parameters and other considerations, existing space constraints and other factors influencing stowage requirements such as changes in supported equipment, logistics support plans, stores packaging or sparing levels may, over time, impact space requirements. As a result of the dynamic nature of required stowage space onboard ships, new requirements identified by the fleet shall be provided to the Naval Sea Systems Command (NAVSEASYSKOM), who will ensure that an appropriate analysis is conducted and updates are specified in the new construction ship's capabilities development document. The resolution of stowage space requirements and stockage objective issues for new construction and major ship conversions entering the preliminary design phase will be led by NAVSEASYSKOM with participation from members of the ship program manager's office, U.S. Fleet Forces Command (USFLTFORCOM), U.S. Pacific Fleet (PACFLT), Naval Supply Systems Command (NAVSUPSYSCOM), and appropriate type commanders (TYCOMs).

4. Responsibilities

a. Office of the Chief of Naval Operations (OPNAV)

(1) The Deputy Chief of Naval Operations (Fleet Readiness and Logistics) (CNO (N4)) will be the approving authority for deviations from this instruction requested by the ship program manager, including potential changes resulting from innovations in supportability for new ship platform programs.

(2) The Logistics Programs and Corporate Operations Division (OPNAV (N41)) will maintain this instruction.

b. NAVSEASYSKOM. The Commander, NAVSEASYSKOM will ensure that stowage space requirements on new construction and conversion ships meet the standards of this directive, lead efforts to analyze changes to stowage requirements and capacity, and adjudicate issues with the fleet and NAVSUPSYSCOM.

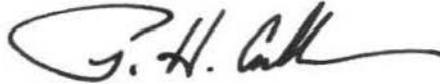
c. Fleet Commanders (USFLTFORCOM and PACFLT). Fleet commanders will ensure that changes in shipboard stowage requirements resulting from changes to operational requirements, logistics support plans, or required material endurance levels

are reported to NAVSEASYSKOM and NAVSUPSYSKOM, and will support NAVSEASYSKOM led actions to resolve stowage requirements related issues.

d. NAVSUPSYSKOM. The Commander, NAVSUPSYSKOM will ensure that changes in shipboard stowage requirements resulting from changes to supported equipment, logistics support plans, stores packaging, or sparing levels are reported to NAVSEASYSKOM and the fleet, and will support NAVSEASYSKOM led actions to resolve stowage requirements related issues.

e. TYCOMs. TYCOMs will report changes in platform specific stowage requirements to the appropriate fleet commander, and will support NAVSEASYSKOM led actions to resolve stowage requirements related issues as directed.

5. Records Management. Records created as a result of this instruction, regardless of media and format, shall be managed per Secretary of the Navy Manual 5210.1 of January 2012.



P. H. CULLOM
Vice Admiral, U.S. Navy
Deputy Chief of Naval Operations
(Fleet Readiness & Logistics)

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