DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
2531 JEFFERSON DAVIS HWY
ARLINGTON VA 22242-5160

IN REPLY REFER TO
NAVSEAINST 5450.97
Ser 09B/119
30 Sep 97

NAVSEA INSTRUCTION 5450.97

From: Commander, Naval Sea Systems Command

Subj: MISSION, FUNCTIONS AND TASKS OF THE NAVAL SEA SYSTEMS COMMAND LPD 17 AMPHIBIOUS TRANSPORT DOCK SHIP PROGRAM OFFICE DETACHMENT

Ref: (a) NAVSEAINST 5450.28F
(b) MOU Between Chief Engineer and LPD 17 Program on Delegation of Technical Authority

Encl: (1) Functions of NAVSEA LPD 17 Detachment
(2) Administrative and Management Information

1. Purpose. To announce and document the establishment of the Naval Sea Systems Command (NAVSEA) LPD 17 Detachment, as required by reference (a).

2. Background. LPD 17 is the lead ship in a new class of amphibious warships that will perform various expeditionary warfare missions. LPD 17 will incorporate state-of-the-art expeditionary warfare ship-self-defense systems, radar cross section reduction, distributed system architecture, and total ship systems integration with emphasis upon reduced ownership costs. A contract was issued to Avondale Industries, as the Full Service Contractor (FSC), on 17 December 1996 to perform the detail design, ship systems integration, construction, testing, logistics and life cycle support planning for the LPD 17 lead ship and up to two option ships. An Integrated Product and Process Development (IPPD) team approach will be used for the performance of this contract. The team will consist of co-located Government and Contractor personnel. An Integrated Product Data Environment (IPDE) will enhance the benefits of the IPPD and concurrent engineering processes.

3. Mission. The NAVSEA LPD 17 Detachment will provide the Government IPPD team management structure for the detail design, total ship systems integration, construction, testing, logistics and life cycle support for the LPD 17 lead ship and all follow-on ships. As part of the LPD 17 IPPD team, the NAVSEA LPD 17 Detachment will be collocated with Avondale Alliance personnel. The Avondale Alliance will design and construct the LPD 17 lead ship at the FSC's facility in New Orleans, LA.

0693-LD-013-1830

4. Status and Command Relationships. The NAVSEA LPD 17 Detachment is a Naval Sea Systems Command (NAVSEA) category 2 detachment in an active, fully operational status. The Detachment will include matrix support personnel from SEA 01, SEA 02, SEA 03 and PEO TAD. The detachment's chain of command and other organizational relationships are as follows:

a. Chain of Command:

Echelon
1 Deputy Undersecretary of Defense for Acquisition and Technology
2 Assistant Secretary of the Navy for Research, Development and Acquisition, ASN(RD&A)
3 Commander, Naval Sea Systems Command (PEO CLA)*
4 LPD Program Manager

b. Area Coordination: COMNAVRESFOR

c. Regional Coordination: COMNAVAIRRESFOR

* The Program Executive Officer, Carriers, Littoral Warfare and Auxilliary Ships (PEO CLA) exercises day to day management control over the NAVSEA LPD 17 Detachment on behalf of COMNAVSEASYSCOM. Detachment personnel from SEA 01, SEA 02, SEA 03 and PEO (TAD) will report through the chain of command of their parent organizations.

5. Terminology. The following terms are defined for purposes of this instruction as follows:

a. Full Service Contractor (FSC). The prime contractor named on the face page of the LPD 17 contract (Avondale Industries, Inc.). The FSC is responsible for all requirements of the LPD 17 contract including detail design, ship systems integration, construction, testing, logistics and life cycle support planning for the LPD 17.

b. Integrated Product and Process Development (IPPD) Team. A co-located team of government and contractor personnel comprised of persons possessing the appropriate disciplines, specialties and functions for management and execution of the LPD 17 Program from both government and contractor organizations including major subcontractor and vendor representation. The role of the NAVSEA Detachment is to perform traditional NAVSEA

Headquarters functions on-site in order to facilitate timely resolution of issues and problems. The objective is to reduce cycle time and total ownership costs.

c. Integrated Product Data Environment (IPDE). An information system capability which implements, through phases, the integration of a product model database, associated support data products including drawings, technical manuals, GFI, training materials, and program execution information such as plans, schedules, software deliverables, and procedures in order to satisfy the data requirements for both the Government and contractor.

6. Functions. The detachment's functions and tasks are described in enclosure (1). Basic administrative and management information is provided in enclosure (2).

7. Action. In accomplishing the assigned mission, the Program Manager, LPD 17 Amphibious Transport Dock Ship Program, PMS317, will ensure performance of the functions and tasks listed in enclosure (1). The administrative information shown in enclosure (2) will be in effect until changed by a NAVSEA instruction or other appropriate documentation. Recommended changes will be forwarded to NAVSEA (PMS317).

G. R. STERNER

Distribution: See next page

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FUNCTIONS AND TASKS OF NAVSEA LPD 17 DETACHMENT

1. The LPD 17 Detachment will provide PEO CLA and NAVSEA management, and technical authority as delegated by the Chief Engineer, for the LPD 17 Program. The following functions will be performed in coordination with SUPSHIP New Orleans in an IPPD management structure:

a. Facilitate rapid and cost-effective detail design, total ship integration, construction, testing, logistics, and life cycle support for the lead ship (LPD 17) and all follow-on ships of the class.

b. Provide Program level management and engineering to ensure the ship, ship systems and combat systems fulfill the requirements of the LPD 17 contract and Operational Requirements Document (ORD). Provide Program level engineering and technical issue resolution during the design, construction and post-delivery phases of each ship.

c. Provide Program level management of Integrated Logistics Support (ILS) efforts and resolution of issues. Continuously emphasize reducing the Total Ownership Cost (TOC) for the LPD 17 Class.

d. Monitor Integrated Product Data Environment (IPDE) implementation and provide assessments of IPDE metrics. Ensure the Integrated Management Plan (IMP) and Master Integrated Resource and Work Schedule (MIRWS) are incorporated into the IPDE.

e. Provide Program level management of contract requirements for testing, demonstration, verification, review and approval, including evaluation and acceptance standards for use by the on-site IPPD team.

f. Review and evaluate ILS data submitted by the FSC for conformance to contract requirements.

g. Assist in the on-site management of technical instruction (TI) and Ship Project Directives (SPDs) as indicated therein.

h. Evaluate and recommend solutions for all program related problems and issues.

i. Ensure baseline configuration management for the LPD 17 Program.

j. Provide on-site technical support for integration of all Government Furnished Equipment (GFE) into the ship. Ensure the timely and accurate development of the Total Ship Information Management Specification/Program Integrated Design Environment (TSIMS/PRIDE) database to support the integration process. Identify technical problems with delivered GFE.

k. Execute technical authority in accordance with the reference (b) Memorandum of Understanding.

l. Assist in the determination of the most effective means of disposal of excess government property.

m. Provide Program level management of tests, trials, delivery and post delivery activities; and in the execution of associated plans, programs, policies and procedures.

n. Prepare guidance to the contractor on the extent of government testing required for GFE and related interfaces. Ensure preparation or update of required test and evaluation Government Furnished Information (GFI), including test documentation booklets, test procedures and related data.

o. Continuously evaluate FSC performance and provide award fee recommendations to the Fee Determining Official for each award fee period.

ADMINISTRATIVE AND MANAGEMENT INFORMATION

1. Plain Language Address (PLA)/Abbreviated Name of Activity: NAVSEA LPD 17 DET

2. Mailing Address:

   LPD 17 Detachment
   2800 Highway 90
   Avondale, LA 70094

3. Title of Military Head of Activity: Program Manager

4. Chain of Command:
   a. Echelon
      1 Deputy Undersecretary of Defense for Acquisition and Technology
      2 Assistant Secretary of the Navy for Research, Development and Acquisition
      3 Commander, Naval Sea Systems Command (PEO CLA)*
      4 Navy Program Manager

   * The Program Executive Officer, Carriers, Littoral Warfare and Auxilliary Ships(PEO CLA) exercises day to day management control over the NAVSEA LPD 17 Detachment on behalf of COMNAVSEASYSCOM. Detachment personnel from SEA 01, SEA 02, SEA 03 and PEO (TAD) will report through the chain of command of their parent organizations.

   b. Area Coordination: COMNAVRESFOR

   c. Regional Coordination: COMNAVAIRRESFOR

5. Unit Identification Code: 32198

6. Standard Navy Distribution List (SNDL): Not in SNDL

7. Telephone Numbers: Commercial: (504) 437-3434
   Fax: (504) 437-3333

8. Comments: None