DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
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IN REPLY REFER TO
NAVSEAINST 5450.54A
Ser 09B/142
4 Nov 97

NAVSEA INSTRUCTION 5450.54A

From: Commander, Naval Sea Systems Command

Subj: MISSION, FUNCTIONS, AND TASKS OF THE AEGIS TRAINING AND READINESS CENTER, DAHLGREN, VA (UIC 68724)

Ref: (a) OPNAVNOTE 5450 of 17 Apr 97
(b) SECNAVINST 5400.15A
(c) PEO SC/AP Charter of 27 Mar 96

Encl: (1) Functions and Tasks of AEGIS Training and Readiness Center, Dahlgren, VA

1. Purpose. To publish the functions and tasks of the AEGIS Training and Readiness Center (AEGIS TRAREDCEN), Dahlgren, VA under revised mission and title established by reference (a).

2. Cancellation. NAVSEAINST 5450.54 of 13 Oct 87 and PEO SC/AP INST 5450.2A of 24 Dec 96.

3. Mission. To train AEGIS Combat System officers and enlisted personnel in the knowledge and skills required to maintain competency and proficiency in combat systems management, operations, maintenance, tactical decision making and communications; to define functional requirements for AEGIS Combat System embedded training systems; to assist the Program Executive Officer, Surface Combatants and the AEGIS Program, and AEGIS Acquisition Agents in ensuring that new AEGIS Combat System baselines can meet fleet operation, training, and maintenance requirements; to communicate, to the appropriate activity, operational and maintainability issues related to in-service AEGIS ships so that they may be addressed in training programs and future system designs, or upgrades thereof; to train surface combatant, Navy and joint staff personnel in joint battle group force air defense operations and tactics, and to perform such other functions and tasks as may be assigned by higher authority.

4. Status and Command Relationship. AEGIS TRAREDCEN is a fully operational shore activity under a Commanding Officer reporting to the PEO SC in accordance with references (b) and (c). Commander, Naval Sea Systems Command will continue support, in accordance with reference (b), to the PEO SC as defined by an operating agreement. The command echelon is as follows:

0693-LD-014-8660

1 Chief of Naval Operations
2 Commander, Naval Sea Systems Command exercised through PEO SC
3 Commanding Officer, AEGIS TRAREDCEN

5. Functions and Tasks. The functions and tasks of AEGIS TRAREDCEN are contained in enclosure (1).

6. Action. In accomplishing the assigned mission, Commanding Officer, AEGIS TRAREDCEN will ensure performance of the functions and tasks listed in enclosure (1). Recommended changes to the enclosure should be forwarded to PEO SC, Code AO.

G. R. STERNER

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FUNCTIONS AND TASKS
OF
AEGIS TRAINING AND READINESS CENTER
DAHLGREN, VA

1. Administration

a. Carry out all regulations, instructions and directives from higher authority pertaining to the administration of the AEGIS Training and Readiness Center (AEGIS TRAREDCEN).

b. Issue such detailed internal instructions, regulations, orders, and notices as are required for the efficient organization and administration of the command.

2. Readiness

a. Support development of AEGIS technical documentation. This ranges from review of preliminary documents to directly assisting the equipment vendor in the drafting of the publication. Ensure that the document matches the equipment, is technically accurate, and supports the AEGIS maintenance philosophy.

b. Work directly with the acquisition agent for new equipment to verify physical access, human factors, sparing, fault detection/fault isolation, and documentation so that the equipment will be maintainable by the technician and usable by the operator.

c. Track the status of AEGIS Navy Enlisted Classifications (NECs) in the Fire Controlman (FC) and Operations Specialist (OS) communities to ensure ships continue to be manned in the proper numbers and skills. Coordinate with Fleet Commanders-in-Chief (FLTCINCs) and Type Commanders (TYCOMs) for appropriate manning levels.

d. Support Surface Warfare Development Group (SWDG) and the Naval Doctrine Command (NDC) in the development of tactics and doctrine for AEGIS and related combat system elements.

e. Work with Applied Physics Laboratory (APL), Lockheed Martin, and Naval Surface Warfare Center (NSWC) in the definition of new warfighting capabilities and their impact on the operators.

f. Serve as a consultant for AEGIS fleet readiness issues, whether they be related to training (AEGIS TRAREDCEN conducted or otherwise), documentation, trouble reports, or maintainability.

g. Support the linkage between the AEGIS engineering and life cycle support organization and the fleet. Maintain the connectivity which keeps the shore establishment apprised of fleet needs and issues, while training the ships in the latest maintenance and operational procedures.

h. Serve as a training center of excellence and recognized expert in the area of joint battlegroup air defense operations. Provide direct support to battlegroups preparing for deployment; support the naval component of major exercises, both real and synthetic; participate in demonstrations and evaluations of fleet tactics and doctrine.

i. Maintain close coordination with the Naval Surface Warfare Center, Port Hueneme Division and the Combat Homeport Engineering Team (C-HETs) relative to combat system matters. Ensure trainers are cognizant of combat system configuration changes and that any required conjunctive training is accomplished.

j. Control all curricula for AEGIS related shipboard maintenance training performed by Fleet Technical Support Centers (FTSCs) as well as coordinate the conduct of subject training. Ensure feedback from FTSC maintenance assists and equipment grooms is incorporated into the AEGIS Training Effectiveness Evaluation Program.

k. Develop AN/USM-646 gold disks for the fleet. These gold disks are used to validate 2M repair of AEGIS Combat System line replaceable units (LRUs).

3. Training

a. Provide existing courses, or specifically-tailored adaptations thereof, as directed by Program Executive Officer for Surface Combatants (PEO SC), to meet introduction and training requirements of the Navy and AEGIS Combat Systems.

b. Ensure that the training of all personnel enrolled in the schools and courses at the command is in consonance with the Training Systems Standards contained in publications from higher authority.

c. Ensure successful and uniform accomplishment of training in accordance with prescribed course material on a standardized basis, and ensure high standards of qualifications in the individual instructor and student. To meet these objectives, carry out an evaluation of instruction on a continuing basis.

d. Make recommendations to PEO SC regarding the design and development of new course material.

e. Ensure that pertinent portions of Performance Qualifications Standards (PQS), as applicable, are accomplished in the courses of instruction. Act as model manager for AEGIS Weapon System PQS.

f. Conduct initial, replacement, conversion, and team training for AEGIS Combat System officer and enlisted personnel.

(1) Provide officer training to include:

(a) AEGIS Prospective Commanding Officer and Executive Officer training to provide knowledge and skills required to maintain competency and proficiency in operating and maintaining the AEGIS Combat System and in Combat Systems management, decision making and communications.

(b) AEGIS Department Head training to provide knowledge and skills required to maintain competency and proficiency in operating and maintaining the AEGIS Combat System and in Combat Systems management, decision making and communications.

(c) AEGIS Division Officer training to provide knowledge and skills required to maintain competency and proficiency in the maintenance, repair, and upkeep of the AEGIS Combat System and supporting elements.

(d) AEGIS Officer Watchstander training to provide knowledge and skills required to maintain competency and proficiency in operating and directing Combat Information Center (CIC) operations.

(2) Provide enlisted training on operation and maintenance of the AEGIS Weapon System to include:

(a) Operator and Supervisor Training for enlisted CIC Watchstanders.

(b) Training supervisor submode training to selected CIC Watchstanders.

(3) Provide AEGIS Embarked Staff Training to operational staffs.

(4) Through AEGIS Training and Readiness Center Detachments (AEGIS TRAREDCEN DETs), provide training to include:

(a) Replacement crew CIC team and AEGIS shipboard responsive training.

(b) New computer programs.

(c) Ships Electronic Readiness Team (SERT) team training.

(d) Radar Systems Controller Environmental Simulator (RSCES) training.

(e) Support the Afloat Training Organization (ATO) and other requirements as called out in memoranda of understanding between the Commanding Officer AEGIS TRAREDCEN, Type Commanders, Commanders of the Training Commands, Atlantic and Pacific Commanders, and Commanding Officers of Afloat Training Groups.

(5) Provide CIC team training for AEGIS Weapons and Combat Systems personnel.

(6) Conduct pre-acceptance and periodic review of contractor prepared curriculum and other training material.

(7) Provide specifically tailored courses (adapted from existing courses) as directed by PEO SC to meet the training requirements of military and civilian personnel attached to Navy activities.

(8) Evaluate new development AEGIS hardware and/or installed systems to determine maintenance and operations training requirements.

(9) Generate and revise AEGIS Combat Training system scenarios in response to fleet commander requirements.

(10) Provide the AEGIS training requirement input to the development of integrated AEGIS shipboard combat system training capability and force level training systems.

4. Other. Perform other tasking as may be directed by higher authority.

5. Resource Management. Ensure the effectiveness of the Command Management Programs which should include, but not be limited to, student pipeline, 3M, Navy Management Improvement, Civilian Position Management, and other similar programs.

6. Finance. Exercise effective control over financial operations within the command through sound accounting principles and progressive modernization of programming, budgeting, accounting, statistical reporting and auditing practices under the Resources Management System of the Department of the Navy.