



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON, D.C. 20350

IN REPLY REFER TO
OPNAVINST 4760.10
Op-35
AUG 25 1980

OPNAV INSTRUCTION 4760.10

Subj: Fleet Introduction Plan for Guided Missile Cruiser
TICONDEROGA (CG 47)

Ref: (a) OPNAVINST 3500.23B (NOTAL)
(b) OPNAVINST 4700.8F (NOTAL)

1. Purpose. This instruction provides guidance for the introduction into the Fleet of the first AEGIS ship, TICONDEROGA (CG 47). Follow ships of the class will be addressed separately.

2. Background. The AEGIS Combat System was developed to provide a comprehensive fighting system capable of countering ever increasing cruise missile threats in the projected jamming environment and resulting short reaction times, conducting simultaneous multi-warfare operations, and providing ability to battle manage prior to and during engagement. The AEGIS Combat System also offers the growth potential essential to stay abreast of continuing threat growth. This capability will join the Fleet in TICONDEROGA in 1983.

a. Because of the complexity involved in acquiring and providing for the lifetime support of AEGIS ships and combat systems, management changes were made for this acquisition process. Specifically, the Chief of Naval Material and the Commander Naval Sea Systems Command chartered the AEGIS Shipbuilding Project Manager, PMS-400, to provide comprehensive direction and program management for all aspects of system development, ship acquisition and lifetime support preparation. The AEGIS shipbuilding Project Manager has the traditional responsibilities of a Ship Acquisition Project Manager and also bears broad responsibilities for the fleet introduction and lifetime support of the AEGIS ships.

b. Several decisions have already been made regarding this ship. TICONDEROGA (CG 47) will be assigned to the Atlantic Fleet; her homeport will be Norfolk, VA. The crew will be ordered to the ship at the building yard earlier than the traditional procedure in reference (a) for conventionally powered ships. Because of fleet manpower shortfalls, austerity has been practiced in determining phased requirements for personnel. Training plans are in execution; details of training and crew scheduling and phasing will be found in the Navy Training Plan.

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c. The objective of the Fleet Introduction Plan for CG 47 is to deliver TICONDEROGA combat ready. This will provide the Fleet Commander a war ready, deployable asset in the minimum time after delivery. This objective will guide post delivery scheduling. The degree of testing should be guided by this commitment to prepare the ship for combat operations as rapidly as possible.

3. Responsibilities. The introduction of a warship into the Fleet is a complex undertaking which demands a high level of coordination for its success. To this end, specific responsibilities are assigned in references (a) and (b). The following amplifies those assignments for the introduction of TICONDEROGA.

a. Chief of Naval Operations (CNO). The office of the CNO has overall responsibility for the CG 47 fleet introduction. Specific areas of responsibility are as follows:

(1) The Guided Missile Cruiser (CG 47) Program Coordinator, (OP-355), under the direction of the Director, Surface Combat Systems Division (OP-35), is the coordinator of all activities relating to CG 47 introduction.

(2) The Director, Total Force Planning Division (OP-11) will promulgate the Navy Training Plan.

(3) The Director, Surface Warfare Manpower and Training Requirements Division (OP-39) has the responsibility for monitoring the CG 47 Navy Training Plan.

b. AEGIS Shipbuilding Project Manager. Under the Chief of Naval Material and the Commander Naval Sea Systems Command, the AEGIS Shipbuilding Project Manager, with overall project responsibility, shall:

(1) Supervise construction, fitting out and fleet introduction such that at delivery the ship is essentially combat ready.

(2) Develop the schedule of events for post delivery tests and trials in the framework of this instruction and in conjunction with the Prospective Commanding Officer and the Commander Naval Surface Force, Atlantic. The objective of such scheduling is to complete required evolutions in the minimum time so that the ship can be made available to the Fleet Commander as a deployable asset at the earliest opportunity.

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(3) Develop and direct a program for identifying, promulgating and correcting the results of CG 47 trial discrepancies to ensure configuration control and class standardization.

c. Commander, Navy Military Personnel Command (NMPC).
The Commander Navy Military Personnel Command will:

(1) Order CG 47 crew members to appropriate training and then to the building yard in accordance with the CG 47 Navy Training Plan.

(2) Maintain liaison with the AEGIS Shipbuilding Project Manager and Prospective Commanding Officer (PCO) to ensure personnel matters are handled in an expeditious manner.

d. Chief of Naval Education and Training (CNET). CNET shall:

(1) Provide the required training facilities, curricula, instructors, devices and other resources to support training of personnel enroute to CG 47 assignments as required by the CG 47 Navy Training Plan, excluding contracted factory training and AEGIS system training at Moorestown, NJ.

(2) Maintain liaison with the Project Manager and PCO to insure training matters are handled in an expeditious and efficient manner.

e. Surface Force Commander. Under the Fleet Commander the Commander Naval Surface Force Atlantic will:

(1) Coordinate, monitor and implement the crew certification program in accordance with this instruction. This program will become a part of the Navy Training Plan.

(2) Provide training and preparation for a Propulsion Examining Board Light-Off Examination within three weeks after delivery. A DD 963 class ship will be provided as an engineering school ship for engineering training before CG 47 delivery.

f. Prospective Commanding Officer. Under the Commander, Naval Surface Force Atlantic the PCO will perform those duties specified in U.S. Navy Regulations, and references (a) and (b). The PCO will serve as the Senior Type Commander Representative for the CG 47 at the building yard. He will use the nucleus crew manpower in the execution of this responsibility.

4. Fleet Introduction Plan. The following is provided to guide the fleet introduction of CG 47:

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a. Crew Scheduling and Phasing The CG 47 crew will arrive at the building yard in six increments; the first increment will arrive fifteen (15) months before delivery and the last, approximately one month before delivery. These increments are directly tied to key events of the CG 47 building and test schedule.

b. Crew Employment. CG 47 nucleus crew members are detailed to the shipbuilding site for three major functions:

(1) Testing. The nucleus crew members will function as part of the AEGIS Shipbuilding Project Manager's Navy Test Team. In this capacity they will monitor equipment installation and participate directly in equipment/system tests and trials, thus providing the requisite expertise to effectively demonstrate the ship's systems at Builder's and Acceptance Trials to meet test objectives.

(2) Training. In addition to the training pipeline preceeding the arrival of CG 47 crew members, it is envisioned that every opportunity will be utilized for "hands-on" training while participating in equipment installation and testing consistent with the AEGIS Shipbuilding Project Manager's contractual commitments.

(3) Administrative and Logistical. As a minimum, the administrative and logistical tasks of the CG 47 Nucleus Crew shall include:

(a) Monitoring construction and outfitting of the ship.

(b) Making preparations for fleet operations such as ship bills and obtaining publication allowances.

c. Fleet Introduction Team. Because the CG 47 crew scheduling and phasing plan provides for early manning of the ship at the building yard, a Fleet Introduction Team (FIT) will not be used for CG 47.

d. Crew Certification. Fleet/Type Commander is responsible for ensuring that the following is implemented:

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(1) Crew certification will consist of three phases: phase one being completed prior to Builder's Trials, phase two between Builder's Trials and delivery, and phase three being completed within three weeks after ship delivery.

(2) Phase one of the crew certification process will, as a minimum, consist of:

(a) A review of training conducted and planned to support watch qualifications.

(b) Written/oral examinations of watchstanders.

(c) A review of CG 47 directives as they address safety of operations and maintenance procedures.

(d) Phase one will culminate in a fast cruise before Builder's Trials.

(3) Phase two of crew certification will consist of a thorough audit of the ship's organization, administration and training plans and programs. The primary emphasis will be placed on safety in the areas of ship control and casualty/emergency procedures. All areas which were noted as deficient during Phase I will be reinspected to determine if discrepancies have been corrected or satisfactory progress has been made towards their correction.

(4) Phase three will occur during a three week readiness for sea period following delivery. Evolutions and drills should be observed during a fast cruise in preparation for sail away. A Light-Off Examination will be conducted in this RFS period.

e. Crew Demonstration on Trials. The CG 47 crew will demonstrate their systems during Builder's and Acceptance Trials. The following guidelines apply:

(1) The shipbuilder retains responsibility for the safe navigation and overall safety of the ship until ship delivery.

(2) Builder's Trials. The crew will assist the builder to demonstrate equipment as available nucleus crew manning permits.

(3) Acceptance Trials. The crew will be principal operators to demonstrate equipment and satisfy test objectives.

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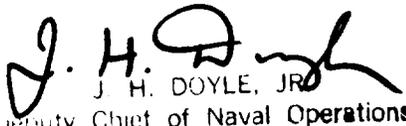
f. Post Delivery Schedule

(1) The objective of the fleet introduction of CG 47 is to have the ship ready for fleet operations as soon as possible. It is expected that the post delivery schedule will permit CG 47 to complete post delivery requirements sooner than previous lead ships.

(2) Key Events. The following milestones are to be used to achieve this objective:

D-5 mos	Mobile Team Training/Engineering School Ship
D-3 1/2 mos	Phase I Crew Certification
D-2 1/2 mos	Phase II Crew Certification
D+1 wk	LOE
D+2 wks	Phase III Crew Certification
D+3 wks	Depart Building Yard
D+1 mo	ISE/Shakedown Training
D+2 mos	SQT/FOT&E/Special Tests and Trials
D+5 mos	FCT
D+6 mos	PSA
D+7 mos	Fleet Exercise
D+8 mos	POM
D+9 mos	Deploy

(D = Delivery)


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