



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

IN REPLY REFER TO  
OPNAVINST 3501.174  
OP-35  
**11 SEP 1987**

OPNAV INSTRUCTION 3501.174

From: Chief of Naval Operations

Subj: ESTABLISHMENT OF SURFACE SHIP ANTI-SUBMARINE WARFARE (ASW)  
ANALYSIS CENTER PROGRAM

Ref: (a) CNO Washington D. C. 221645Z Apr 87

1. Purpose. To establish the Surface Ship Anti-Submarine Warfare (ASW) Analysis Center (SSAAC) Program and to delineate responsibilities for the funding, operation and management of the Centers.

2. Discussion. Acoustic analysis is one of the most difficult challenges in ASW. The Chief of Naval Operations, by reference (a), established Surface Ship ASW Analysis Centers under Commander in Chief Atlantic Fleet (CINCLANTFLT) and Commander in Chief Pacific Fleet (CINCPACFLT). The establishment of the Centers and the Surface Acoustic Analysis Specialist Program (STG-0417) is intended to improve surface ship ASW proficiency, particularly in acoustic analysis. This will be accomplished by using the Centers for postmission analysis by Center and shipboard personnel, to disseminate acoustic data and provide acoustic training to concerned commands as well as to assist in the coordination of mission planning.

3. Scope. This instruction establishes the mission of the Surface Ship ASW Analysis Centers and assigns responsibilities for their management, operation and funding.

4. Policy

a. Center Mission. Collect and screen Anti-Submarine Warfare (ASW) acoustic data forwarded by surface ships; conduct post-mission ASW analysis, reconstruction and contact validation; provide pre-sail briefings on ASW mission objectives, target characteristics, and data collection requirements; provide post-mission debriefs for shipboard ASW teams and feedback to individual acoustic sensor operators; and conduct proficiency assessments of surface ship acoustic sensor operators. Additionally, provide direct feedback to research and development, intelligence and training communities; act as the surface ship distribution point for information extracted from mission acoustic data.

b. Operation. The operation of the Centers will be directly

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administered by the Surface Type Commanders following the a Five Year Program Plan developed by the Fleet Commanders in Chief (FLTCINCS) with inputs from the Type Commanders (TYCOMS), Technical Development Agent (TDA) and Commander, Naval Sea Systems Command as required. This Five Year Program Plan will be reviewed and updated annually and submitted to the Chief of Naval Operations (CNO (OP-03)) for approval.

c. Funding

(1) Funds for the initial engineering development, establishment, outfitting, introduction of new capabilities to ensure continued compatibility with evolving Fleet systems will be provided by CNO (OP-03).

(2) CNO (OP-03) will also provide support, as specified in the Program Plan, for specialized detachments required in the areas of intelligence, training or technical development.

(3) FLTCINCS will provide funds for the operation and maintenance of the Centers.

5. Responsibilities

a. CNO (OP-03).

(1) Provide overall program policy and guidance for the operation of the Centers.

(2) Approve and provide annual Center program sponsorship.

(3) Approve and promulgate the Five Year Program Plan.

b. Commander, Naval Sea Systems Command:

(1) Provide funding to the TDA within existing and future surface ASW sensor support funding lines.

(2) Provide review of Five Year Program Plan.

c. CINCLANTFLT and CINCPACFLT:

(1) Oversee Surface TYCOMS direction of SSAAC sites and provide operation and maintenance funds for the Centers.

(2) Approve operations nominated by Surface Type Commanders to receive support from the Centers.

(3) Promulgate notes, memos and lessons learned.

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(4) Task other fleet units as required to provide the data necessary to support Center operations.

(5) Develop the Five Year Program Plan.

d. Commander Naval Surface Forces, U. S. Atlantic Fleet and Commander Naval Surface Forces, U. S. Pacific Fleet.

(1) Act on behalf of the FLTCINC in the direction and operation of the Center.

(2) Develop operating guidelines and procedures for the Centers.

(3) Identify special and high interest operations the Centers should support.

(4) Provide guidance and priorities to Commander, Naval Underwater Systems Center, for program support.

(5) Provide interface between the Centers and other activities having an interest in analyzing acoustic data.

(6) Provide inputs to the FLTCINCs for the development of the Five Year Program Plan.

(7) Through the Centers, administer the Surface Acoustic Analysis Specialist program.

(8) Provide suitable facilities for the Center sites.

(9) Identify data requirement from other fleet units to support Center operations.

e. Commanding Officer, Naval Underwater Systems Center

(1) Act as the Center's TDA.

(2) Provide analysis systems design, hardware, software, and system modifications to support Center mission. Deliver Centers to the cognizant Surface Type Commanders in "turnkey" condition.

(3) Provide continuing support to each Center including:

(a) Technical support for the initial design of Center systems.

(b) Provide direct liaison between the fleet and the R&D community for design of future sonar systems and for improvements and modifications of shipboard operational sonar systems.

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(c) Technical assistance to solve specific analysis and mission support problems as they arise.

(d) Technical coordination as required for Lessons Learned.

(e) Technical assistance in preparation of inputs with respect to training deficiencies identified through analysis.

(f) Technical recommendations for equipment modifications to Center systems as necessary to keep them current with operational sonar systems.

(g) Maintain configuration control of the Centers.

(h) Within TDA staffing constraints, provide on-site technical expertise of a nature and duration as described in the Five Year Program Plan.

(4) Provide technical review of the Five Year Program Plan.

6. Program Plan. The proposed Five Year Program Plan will be developed and submitted jointly by CINCLANTFLT and CINCPACFLT (or their designated representatives) to CNO (OP-03) annually in March. It should include:

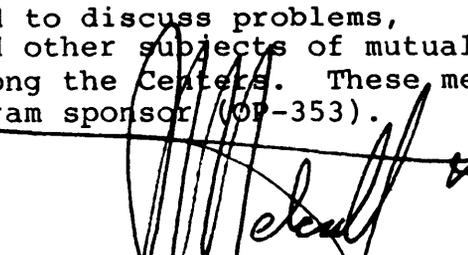
a. Expected tempo of operations; hours of taped data to be analyzed; additional system capabilities desired.

b. Upgrade schedule for Centers to keep them current with deployed systems engineering change proposals and with new systems introduced into the Fleet. This schedule should be consistent and compatible with deployment schedules and projected platform homeports.

c. Aggregate annual cost for total program.

d. Nature and scope of on-site personnel support requirements from R&D, Intelligence and training communities.

7. Fleet Operational Uniformity. Periodic meetings of representatives of the CNO, CINCS, Surface TYCOMS, Center Officers in Charge and TDA will be conducted to discuss problems, solutions, operating procedures and other subjects of mutual interest to maintain uniformity among the Centers. These meetings will be chaired by the Center program sponsor (OP-353).

  
4 J. Metcalf III  
Deputy Chief of Naval Operations  
(Surface Warfare)

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