



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
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OPNAVINST 3360.30C
N96
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OPNAV INSTRUCTION 3360.30C

From: Chief of Naval Operations

Subj: SHIP ANTI-SUBMARINE WARFARE READINESS/EFFECTIVENESS
MEASURING PROGRAM

1. Purpose. To establish procedures to manage and conduct the Ship Anti-Submarine Warfare Readiness/Effectiveness Measuring (SHAREM) Program. This instruction has been revised to establish Commander, Destroyer Squadron Twenty-six (COMDESRON TWO SIX) and Program Executive Office, Integrated Warfare Systems (PEO IWS 5) responsibilities for SHAREM and should be reviewed in its entirety.

2. Cancellation. OPNAVINST 3360.30B.

3. Objective. The overall objective of the SHAREM Program is the collection and analysis of contact, environmental, and geographic data in tactically relevant environments and scenarios to assess ship anti-submarine warfare (ASW) readiness and effectiveness and recommend solutions for identified warfighting gaps. The SHAREM Program will achieve this objective by accomplishing the following goals:

a. Meet Chief of Naval Operations (CNO) and fleet requirements for high-quality data collection and analysis to document the tactical performance and employment of surface ship ASW systems and tactics, which operate independently and in concert with systems in other platforms.

b. Identify, develop, test, and assess solutions for tactical problems connected with employment of surface ASW sensors, systems, weapons and countermeasures through analysis of accumulated data.

c. Produce recommendations for effective employment of ASW sensors, systems, weapons and countermeasures by improving tactics, techniques, and procedures.

d. Support the testing of emerging technologies at sea intended to address identified warfighting gaps.

e. Maintain a computerized SHAREM database that is comprehensive and responsive to fleet and CNO requirements for tactical and technical data.

4. Method. The SHAREM Program will reflect the tenets of the current National Strategy for Maritime Security in the accomplishment of program goals. Specific goals are accomplished through the design, conduct, execution, data collection, reconstruction, and analysis of at-sea exercises.

a. SHAREM exercises will broadly support evaluation of surface force ASW systems and tactics in environments where ships are expected to operate including the world's oceans, seas, and littorals. Evaluation of current and emerging threats and environments of national interest, as recommended by fleet and force commanders and as directed by the Office of the Chief of Naval Operations (OPNAV), Director, Surface Warfare Division (N96), will lead to development of threat and site specific tactics and collection of tactically significant environmental data.

b. Environmental data will be collected in coordination with system commands, naval laboratories, and Commander, Naval Meteorology and Oceanography Command (COMNAVMETOCOM).

c. SHAREM will conduct exercises and limited objective experiments (LOE), and collect and analyze data to assess the full scope of operations through the ASW detect-to-engage process. Exercises should be conducted either on a range or in environments that reflect the area of interest and include appropriate integrated maritime operations, either within formal alliance structures or more informal arrangements.

d. Exercise design will consider command and control effectiveness, vulnerability to counter-detection, and the ability to exploit the environment tactically. Attack exercises will be designed to examine surface ship ASW attack tactics, fire control accuracy, weapon performance and ship vulnerability

to submarine attack to include tactics and countermeasures to defeat these attacks. Specific objectives are to be formulated for each exercise.

e. Data will be collected in both structured and freeplay scenarios to accomplish specific event analytical objectives.

5. SHAREM Program Organization. The SHAREM organization members and their primary responsibilities are:

a. OPNAV (N96)

(1) SHAREM program and resource sponsor.

(2) Convenes and chairs annual SHAREM Program plan review.

(3) Approves the annual SHAREM fiscal year execution, including program objectives, budget and exercise schedule.

(4) Approves analysis products produced for outside agencies from the SHAREM database.

(5) Approves the SHAREM long range plan and schedule; including resourcing the requirements, capability and capacity changes across the Future Years Defense Plan (FYDP) to ensure SHAREM meets ongoing OPNAV and fleet requirements.

b. PEO IWS 5

(1) Acts as the SHAREM program manager.

(2) Provides SHAREM data collection and analysis recommendations to OPNAV (N96).

(3) Solicits input for data collection requirements in venues such as the ASW Executive Steering Group (ESG) and the ASWIP Fleet Collaborative Teams to ensure broad exposure to plans that will support system development and evaluation.

(4) Coordinates with COMDESRON TWO SIX for data collection requirements to support system development, evaluation, and performance analysis.

c. COMDESRON TWO SIX

- (1) Acts as the SHAREM executive agent.
- (2) Develops and submits SHAREM fiscal year execution plans and long range plans to OPNAV (N96) for approval.
- (3) Solicits recommendations from OPNAV (N96), fleet and force commanders, system commands, naval laboratories, Naval Warfare Development Command, and COMNAVMETOCOM for the SHAREM fiscal year execution plan and exercise schedule.
- (4) Obtains required support services and establishes memoranda of agreement necessary to support the accomplishment of program goals.
- (5) Develops and issues test plans, data collection plans and analysis plans for each SHAREM event.
- (6) Coordinates observers for SHAREM exercises and LOEs, and oversees data collection efforts.
- (7) Advises the operational commanders regarding execution of SHAREM test plans.
- (8) Conducts post-exercise reconstruction and analysis; prepares and publishes program products as required.
- (9) Maintains and validates the SHAREM database and recommends to OPNAV (N96) any changes in the data collection requirements.
- (10) Conducts cross-SHAREM analysis and special analyses, as required, and publishes periodic reports.
- (11) Incorporates SHAREM analytical results to improve and update ship ASW tactics, techniques, and procedures.
- (12) Responds to request for analysis products derived from the SHAREM database by outside activities as directed by OPNAV (N96).

d. SHAREM stakeholders include fleet and force commanders, program offices, naval laboratories and support activities. Designated tactical commanders will be invited to present unit and squadron concerns. Representation from the air and submarine communities are also to be solicited in the interest of cooperative and collaborative research. COMDESRON TWO SIX will solicit and incorporate stakeholder interests in the development of fiscal year execution plans and SHAREM long range plans.

6. SHAREM Fiscal Year Execution Planning

a. SHAREM program focus and prospective exercise schedule shall be reviewed and updated annually during the SHAREM Integrated Product Team (IPT) meeting chaired by COMDESRON TWO SIX. This meeting will nominally occur in July of each year. COMDESRON TWO SIX will liaise with stakeholders in advance of the IPT meeting for input regarding SHAREM Program goals, exercise objectives, data collection and analysis plans, and schedule for the upcoming year. Liaison activities may include the ASW Fleet Collaborative Team, Anti-Submarine Warfare Improvement Program and ASW ESG. Details of potential exercise opportunities, for the following 15 months, shall be provided by COMDESRON TWO SIX. This input should include projected exercise dates, locations, scenarios, objectives and participants. Planning will consider the major SHAREM events, Submarine Command Course exercises, and LOEs.

b. OPNAV (N96) shall chair the annual SHAREM Program plan review each September attended by representatives of PEO IWS 5, COMDESRON TWO SIX, and other stakeholders (as appropriate). Topics covered will include:

- (1) Review SHAREM exercise results of previous year.
- (2) Review SHAREM budget and products of previous year.
- (3) Present concerns and suggestions of SHAREM Program stakeholders.
- (4) Review, update and affirm SHAREM Program objectives.

c. COMDESRON TWO SIX will provide a proposed draft of the updated SHAREM long range plan for close consideration and revision during the annual SHAREM Program plan review. The primary objective is to solidify support of SHAREM objectives and events as developed by the SHAREM IPT.

7. SHAREM Planning

a. COMDESRON TWO SIX shall submit the final draft of the SHAREM plan for the following fiscal year to OPNAV (N96) for action and approval in September each year. Once approved, the plan shall be issued to SHAREM Program stakeholders and constitutes authority for SHAREM activities in the coming year.

b. The SHAREM long range plan:

(1) SHAREM long range program objectives are projected across the FYDP based on introduction of new platforms, systems and upgrades, emerging threats, and evolving missions.

(2) DESRON TWO SIX shall project support requirements to meet program objectives. Support requirements include resourcing, evolving contract support, material requirements, and required program revisions.

(3) SHAREM Program objectives are updated and reviewed by OPNAV (N96) each year.

c. Objectives listed in the SHAREM long range plan are general in nature and driven by overall program goals. These Program objectives are to be reviewed at the annual SHAREM Program plan review and updated to reflect changes in concerns and interests of the surface community. Program objectives are to be sufficiently broad in nature to cover the spectrum of long-term issues. More specific objectives are to be developed for individual exercises as appropriate. Program tasks listed in the SHAREM long range plan are to serve as the focus of planning, execution, reconstruction and analysis of the proposed schedule of exercises. The SHAREM Program is to be resourced for the completion of these tasks. The schedule of SHAREM exercises is to be given both in the form of a generic schedule, to represent the typical or intended level-of-effort, and

specific schedule, to represent the proposed exercises known at the time. Budget requirements shall be recommended in accordance with the objectives and schedule generated during the annual SHAREM Program plan review.

8. Detailed Exercise Planning and Coordination. COMDESRON TWO SIX will liaise directly with fleet and force commanders, program offices, naval laboratories, and COMNAVMETOCOM for support with detailed exercise planning. This planning will deal with every aspect of the exercise pertaining to SHAREM events. COMDESRON TWO SIX will provide, to the officer scheduling the exercise (OSE) and the officer conducting the exercise (OCE), draft messages and other associated planning materials to support conduct of the SHAREM related portions of the exercise.

9. Program Products. The SHAREM Program will collect high-quality data on performance of surface ship sensors, systems, weapons, countermeasures and tactics. Analysis results will be presented in terms of measures of effectiveness or measures of performance, approved by the program sponsor, or effectiveness of tactics employed. Particular attention will be paid to analysis revealing needed improvements to system performance or tactics. The output of the SHAREM Program is to be provided by COMDESRON TWO SIX in the following products on the nominal timelines provided.

a. Quicklook Message. To be released within 10 working days of the end of the exercise and return of shipboard observers summarizing known results. The quicklook message will include preliminary analysis results. This message shall be sent to all participants, planning group members and interested activities.

b. Flag Brief. To be completed within 45 days of the exercise for presentation to OPNAV (N96). The flag brief will provide an update of analysis conducted and expected findings and recommendations. This brief will also be made available to fleet and force commanders as well as exercise OSE, OCE, and exercise participants, as desired.

c. Exercise Reconstruction and Analysis Report (R&A). To be completed within 90 days of exercise completion. This report will describe the results, including complete reconstruction and

analysis of contact, environmental, and geographic data. It is to be produced in a standard format, as established by COMDESRON TWO SIX, for the sake of consistency and comparability. The R&A report will supplement the SHAREM database and provide answers to questions on exercise conduct, analysis methodology, and analysis results to complement the database entries. It shall include specific recommendations for corrective action based on findings and will be made available to SHAREM Program stakeholders and appropriate interested parties.

d. Data Analysis Report (DAR). A DAR may be submitted 60 days after completion of selected exercises. This report, unlike an R&A report, will concentrate on a specific objective rather than all of the SHAREM standard and supporting objectives. The report will be produced in a standard format, established by COMDESRON TWO SIX, and will supplement SHAREM database entries. A DAR may be directed when appropriate in lieu of an R&A report for a reduced level of effort.

e. Exercise Technical Analysis Report. Whenever the nature of the particular exercise requires technical analysis beyond the capability or scope of the SHAREM team, COMDESRON TWO SIX shall coordinate with the appropriate organization to conduct a supplementary report covering those technical aspects of the exercise. The specific topic, scope, and format shall be determined by COMDESRON TWO SIX.

f. Exercise Data Report. Exercise data will be validated and entered into the SHAREM database upon completion of each exercise. Upon approved request through OPNAV (N96), any requested data collected during the exercise shall be made available and distributed to interested parties.

g. Cross-SHAREM Analysis. Periodic analysis shall be done on fundamental SHAREM objectives and other selected topics to identify trends. Topics for analysis shall be solicited prior to the annual SHAREM Program plan review and chosen by COMDESRON TWO SIX in consultation with the program sponsor. Some of these topics may require subcontracting of this effort to other organizations. These reports shall be made available to program stakeholders and appropriate interested parties. Cross-SHAREM analyses shall be completed periodically as sufficient new data makes this type of study feasible.

h. Tactical Documents. SHAREM analyses will form the basis for development and validation of surface force ASW tactics. Specific tactical documents will be generated by the SHAREM Program, as designated by COMDESRON TWO SIX.

10. Action. OPNAV (N96) will delegate exact details on implementation of all program objectives and all report requirements to COMDESRON TWO SIX. OPNAV (N96) will maintain final approval authority of all report formats.

11. Records Management. Records created as a result of this instruction, regardless of media and format, shall be managed per SECNAV Manual 5210.1 of January 2012.



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