From: Chief of Naval Operations

Subj: SHIP ANTISUBMARINE WARFARE READINESS AND EFFECTIVENESS MEASURING PROGRAM

1. Purpose. To manage the Ship Antisubmarine Warfare Readiness and Effectiveness Measuring (SHAREM) Program. Significant changes in this revision include updates to required SHAREM products and designation of the Naval Surface and Mine Warfighting Development Center (NSMWDC) as SHAREM program executive agent. This instruction is a complete revision and should be reviewed in its entirety.

2. Cancellation. OPNAVINST 3360.30C.

3. Scope and Applicability. This instruction applies to surface ship antisubmarine warfare (ASW) stakeholders, including type commanders, warfare development centers, systems commands, Navy component commanders, and numbered fleets.

4. Objective. The objective of the SHAREM Program is to assess surface ship ASW readiness and effectiveness and recommend solutions for ASW warfighting gaps. This objective is met via the collection and analysis of sensor and environmental data in tactically relevant geographic operating areas. The SHAREM Program will:

   a. Document the tactical performance and employment of surface ship ASW systems and tactics, independently and in concert with other systems and platforms.

   b. Identify, develop, test, and assess solutions for improved tactical employment of surface ASW sensors, systems, weapons, and countermeasures.

   c. Provide recommendations for effective employment of ASW sensors, systems, weapons, and countermeasures, via improved tactics, techniques, and procedures.

   d. Support at-sea testing of emerging technologies to address current and projected ASW warfighting gaps.

   e. Maintain a SHAREM database.
5. **Method.** The SHAREM Program will reflect the tenets of the Navy’s “Design for Maintaining Maritime Superiority” in the accomplishment of program goals and through the design, conduct, execution, data collection, reconstruction, analysis, and reporting of at-sea exercises.

   a. SHAREM exercises will evaluate surface force ASW systems and tactics, techniques, and procedures in tactically-relevant environments. Evaluation of current and emerging threats and environments of national interest, as recommended by the fleet and force commanders and as directed by the Office of the Chief of Naval Operations, Surface Warfare Division (OPNAV N96), will lead to development of tactically-focused exercise events and collection of tactically-significant environmental data.

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

   c. SHAREM-sponsored exercises, Submarine Command Course (SCC) mini-wars, and limited objective experiments provide the opportunity to collect and analyze data to assess the full scope of surface ship ASW operations through the detect-to-engage sequence. Exercises should be conducted on underwater tracking ranges or in environments that reflect areas of operational interest.

   d. Exercise-specific objectives will be formulated for each event. Exercise design will consider command and control effectiveness, ASW sensor effectiveness, ship vulnerability to detection, and the ability to tactically exploit the environment. Live-fire exercises will be designed to examine surface ship ASW attack tactics, fire control accuracy, weapon performance and ship vulnerability to submarine attack, including tactics and countermeasures to defeat these attacks.

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

   f. Warfare tactics instructors will be fully integrated into SHAREM planning, execution, analysis, and reporting to ensure program alignment with the fleet commanders tactical priorities, and to incorporate SHAREM analytical results into NSMWDC courses of instruction.

6. **SHAREM Program Organization and Responsibilities**

   a. **OPNAV N96**

      (1) Assigned as SHAREM Program resource sponsor.

      (2) Convenes and chairs, each September, a SHAREM Program review to:

      (a) Assess current fiscal year exercise results, budget, and products.
(b) Approve next fiscal year exercise objectives, schedule, and budget.

(c) Approve long range objectives and schedules.

(d) Understand stakeholder concerns and recommendations.

b. Program Executive Office, Integrated Warfare Systems (PEO IWS 5.0)

(1) Assigned as the SHAREM program manager.

(2) Submits, to OPNAV N96 and NSMDC, SHAREM data collection and analysis requirements to support system development, evaluation, and performance analysis.

c. NSMWDC

(1) Assigned as the SHAREM executive agent.

(2) Presents items listed in subparagraphs 6c(2)(a), through 6c(2)(c) for approval at the annual resource sponsor-hosted SHAREM program review (formats will be approved in advance by OPNAV N96):

(a) Current fiscal year exercise results, budget, and products.

(b) Next fiscal year exercise objectives, schedule, and budget.

(c) Long range objectives and plans.

(3) Solicits recommendations from stakeholders for SHAREM objectives and exercise schedules.

(4) Obtains required support services and establishes memoranda of agreement necessary to support the accomplishment of program goals.

(5) Develops and disseminates test, data collection, and analysis plans for each SHAREM event.

(6) Coordinates observers for SHAREM exercises, SCC mini-war exercises, and limited objective experiments.

(7) Advises operational commanders regarding execution of SHAREM test plans.

(8) Maintains a SHAREM database.
(9) Uses SHAREM analytical results to improve and update ship ASW tactics, techniques, and procedures, and inform AN/SQQ-89A(V)15 (a surface ship ASW combat system) advanced capability build priorities.

(10) Incorporates SHAREM analytical results into NSMWDC courses of instruction and surface warfare advanced tactical training exercises.

(11) Provides SHAREM test event system and element-level data recordings to PEO IWS 5.0 within 10 working days after receiving the data. The NSMWDC SHAREM director will coordinate shipping details with PEO IWS 5.0 advance capability build technical program manager at the Naval Undersea Warfare Center Division, Newport.

(12) Produces the program products listed in subparagraphs 6c(12)(a) through 6c(12)(g):

(a) **After Action Report (AAR) Messages.** AARs will be released within 15 working days of the end of each SHAREM or SCC exercise. AARs will include exercise observations and preliminary analysis results. The AAR will be sent to all participants, planning group members, and interested activities.

(b) **SHAREM Exercise Briefs.** Exercise briefs will be completed within 90 days of completion of each SHAREM exercise. The SHAREM exercise brief will provide an update of analysis conducted and expected findings and recommendations. An electronic file of the brief will be posted to the NSMWDC Secret Internet Protocol Router Network (SIPRNET) portal. When directed, the brief will be presented to OPNAV N96.

(c) **SHAREM Reconstruction and Analysis Reports.** Reconstruction and analysis reports will be completed within 120 days of exercise completion. Reconstruction and analysis reports will provide complete reconstruction and analysis of contact, environmental, and geographic data. For the sake of consistency and comparability, the R&A report will be produced in a standard format as established by NSMWDC. The reconstruction and analysis report will supplement the SHAREM database and provide information on exercise execution, analysis, and results. It will include recommendations and be made available to SHAREM Program stakeholders and appropriate interested parties. SHAREM reconstruction and analysis reports will be posted to the NSMWDC SIPRNET portal.

(d) **SCC Annual Reports.** SCC annual reports will be completed by 30 April. Reports will include analysis of surface ship ASW attack and torpedo defense. The report will examine performance trends and provide recommendations to improve torpedo defense. SCC annual reports will be distributed to SHAREM stakeholders via SIPRNET e-mail and posted to the NSMWDC SIPRNET portal.

(e) **Cross-SHAREM Analysis.** Periodic analysis on specific topics will be recommended by stakeholders and approved by the program sponsor. These reports will be made available to program stakeholders and appropriate interested parties.
(f) **Tactical Documents.** SHAREM analyses will be used to generate and update NSMWDC designated tactical documents.

(g) **AN/SQQ-89A(V)15 Advanced Capability Build Capability Priorities.** In conjunction with the annual SHAREM review, submit to the resource sponsor AN/SQQ-89A(V)15 advanced capability build capability priorities to inform future advanced capability builds.

7. **Records Management.** Records created as a result of this instruction, regardless of media and format, will be managed per Secretary of the Navy (SECNAV) Manual 5210.1 of January 2012.

8. **Review and Effective Date.** Per OPNAVINST 5215.17A, OPNAV N96 will review this instruction annually on the anniversary of its issuance date to ensure applicability, currency, and consistency with Federal, Department of Defense, SECNAV, and Navy policy and statutory authority using OPNAV 5215/40 Review of Instruction. This instruction will be in effect for 5 years, unless revised or cancelled in the interim, and will be reissued by the 5-year anniversary date if it is still required, unless it meets one of the exceptions in OPNAVINST 5215.17A, paragraph 9. Otherwise, if the instruction is no longer required, it will be processed for cancellation as soon as the cancellation is known following the guidance in OPNAV Manual 5215.1.

9. **Information Management Control.** Data collection contained in the instruction is exempt from information management control per SECNAV M-5214.1 dated December 2005 part IV, subparagraph 7k.

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Releasability and distribution:
This instruction is cleared for public release and is available electronically via Department of the Navy Issuances Web site, [https://doni.documentservices.dla.mil/](https://doni.documentservices.dla.mil/)