OPNAV INSTRUCTION 3430.23D

From: Chief of Naval Operations

Subj: NAVY ELECTRONIC WARFARE REPROGRAMMABLE SYSTEMS SUPPORT PROGRAM

Ref: (a) SECNAVINST 5000.36A
     (b) OPNAVINST 9410.5D
     (c) CJCSI 3210.04A (S//NF)
     (d) DoD Directive 5250.01 of 22 January 2013

1. Purpose

   a. To establish policy and assign responsibilities within the Navy for managing and producing authoritative data in support of electronic warfare (EW) and to provide linkages between the management, production, and application of data in support of EW reprogrammable systems, per references (a) through (d); and to define, develop, maintain, manage, and distribute an operational threat database and training databases for warfighters and reprogrammable EW systems.

   b. This revision removes and updates organizational names and community terminology. This revision also updates policy and stakeholder responsibilities and reflects current EW domain working relationships and growth of the mission. This is a complete revision and should be reviewed in its entirety.

2. Cancellation. OPNAVINST 3430.23C.

3. Applicability

   a. This instruction is applicable to all Navy organizations that employ or support EW data and reprogrammable systems; and all acquisition programs and efforts which are dependent upon Navy EW data in development, testing, production, training, or operations.

   b. Within the Navy EW reprogramming domains, each organization has different system requirements and processes for the development of operational threat databases in support of operational and training requirements. Collaboration among all stakeholders is critical for supporting these systems with complete, accurate, and timely data. Collaboration is essential in achieving interoperability and a shared operating picture, and fostering maritime domain awareness which furthers the Navy’s goal of enabling electromagnetic maneuver warfare, and of providing warfighters with battle space superiority.
4. **Policy**

   a. Navy EW will maintain pace with changes in the worldwide environment that affect the performance of Navy, Marine Corps and Joint Forces reprogrammable systems. In this context, reprogrammable systems include, but are not limited to: radio detection and ranging warning receivers, electronic support, electronic attack, electronic protection, combat identification, specific emitter identification (SEI), training systems, and other related systems and weapons that require parametric and related data.

   b. Procedures will exist at all command levels that allow current and future EW capabilities to be fully considered, coordinated, supported, and implemented.

   c. Capabilities will exist to translate data produced by authoritative Department of Defense (DoD) intelligence components and other associated data (e.g., own force data, order of battle, SEI) into a format that is useful to the warfighter and compatible with EW reprogrammable systems.

   d. An accurate and timely database will be maintained to provide vetted, validated, and value added EW and operations parametric data in support of warfighters, reprogrammable systems, and synthetic trainers.

   e. Navy and Marine Corps reprogramming organizations (e.g., Naval Undersea Warfare Center, Naval Air Warfare Center Weapons Division, Naval Surface Warfare Centers, and Warfare Training Group) will collaborate and share information to improve timeliness, quality, and gain efficiencies in EW data development supporting operational and training reprogrammable systems.

   f. A dynamic and responsive fleet EW operational threat database will be maintained to include the ability to insert and add new threats or threat changes such as those that may occur in the electromagnetic spectrum during operations.

   g. Research, development, test, and evaluation resources will be employed in designing EW reprogrammable systems and related support equipment to include synthetic training systems.

   h. Joint task forces, information warfare commanders, EW officers, and operators will be supported with continuous database availability, EW reprogrammable threat database updates, and extensive training of EW reprogramming at sea while deployed, and during assessment or exercise.

   i. Navy EW shall participate in appropriate joint and fleet exercises as requested or tasked by Commander, U.S. Fleet Forces Command (COMUSFLTFORCOM) and Commander, Naval Information Forces (COMNAVFOR).
5. **Responsibilities**

   a. **Deputy Chief of Naval Operations for Information Warfare (CNO N2N6)**

      (1) Provide overall management and resource sponsorship for the Navy EW reprogrammable systems support program.

      (2) Provide guidance to COMUSFLTFORCOM on execution of the Navy EW reprogrammable systems support program.

      (3) Provide oversight and requirements to Navy systems commands for the development of EW data in support of new systems, as well as conversion and the upgrade of existing systems to improve capabilities, standardization, and commonality.

      (4) Act as liaison with the Joint Chiefs of Staff and other Services and agencies to ensure EW systems support are integrated with similar efforts throughout the DoD.

      (5) Fulfill requirements of resource sponsorship for EW systems, including support for operational threat database development and maintenance.

      (6) Validate tactical systems support center (TSSC) and software support activity (SSA) EW data support requirements and funding for surface, subsurface, and aircraft systems to the appropriate program offices.

   b. **COMUSFLTFORCOM**

      (1) Review and approve TSSC, SSA, and fleet requirements for EW data support to surface, subsurface, air, and ground systems.

      (2) Review and approve EW data content of EW system operational threat databases.

      (3) Lead a working group consisting of operational and technical database stakeholders to address scheduling and actions of database content, delivery and technical aspects.

      (4) Resource and designate an EW functional data manager with the responsibilities listed in subparagraphs 5b(4)(a) through 5b(4)(m).

         (a) Act as the primary liaison and central point of contact for EW reprogrammable systems support program.
(b) Manage the web-enabled Navy Information Operations Database (NIODB)/Signatures and Platforms Integrated Data Repository (SPI DR) as the source for formatted and validated parametric data, order of battle, characteristics and performance, and SEI data for Navy, Marine Corps, and joint intelligence analyst and fleet operator support across all communities.

(c) Manage the production of EW data products per DoD standards and tailored products based on validated system requirements (e.g., extensible markup language).

(d) Ensure the production, updating, and distribution of a stand-alone operator aid, modeled from NIODB/SPIDR, to support bandwidth that is underprivileged and denied to EW warfighters.

(e) Act as the service production center for the development of own force data, to include sensor parametric, and platform characteristic and performance data in support of joint and Navy requirements; and perform the duties in subparagraphs 5b(4)(e)1 through 5b(4)(e)4.


2. Program sufficient resources to adequately support Navy own force data requirements.

3. Expeditiously update the USELMSDB with any parametric changes to own force operated electromagnetic systems.

4. Ensure new Navy and Coast Guard sensors are produced into the USELMSDB prior to fielding. Sensors already fielded or modified after fielding must be updated on a priority basis.

(f) Act as the Navy manager to provide administrative and technical representation in matters pertaining to the North Atlantic Treaty Organization Emitter Database (NEDB) and perform the items listed in subparagraphs 5b(4)(f)1 through 5b(4)(f)2:

1. Ensure reception, duplication, and distribution of the NEDB to authorized Navy, Marine Corps, and Coast Guard consumers is per applicable North Atlantic Treaty Organization security requirements. Validate with the U.S. Central Registry that the requesting command is either a sub-registry or control point prior to distribution of the NEDB.

2. Provide updated parametric data on Navy or Coast Guard non-communications systems to the U.S. Strategic Command Joint Electronic Warfare Center per the NEDB manual. Prior to release to U.S. Strategic Command Joint Electronic Warfare Center, a formal request must be sent to the Navy International Program Office for releasing approval.
(g) Conduct liaison with DoD intelligence components that produce authoritative intelligence mission data sources, such as National Security Agency, Defense Intelligence Agency, and service production centers (e.g., Office of Naval Intelligence, National Air and Space Intelligence Center, National Ground Intelligence Center, and Missile and Space Intelligence Center) to validate data requirements.

(h) Coordinate with TSSCs, SSAs, and other activities, as required, for EW data support to integrated and fleet synthetic system training.

(i) Act as Navy manager for coordination of the reprogramming at sea process and use of the Defense Intelligence Agency Threat Change Messaging Portal in support of operational EW threat databases.

(j) Support Army’s and Air Force’s quality assurance and quality control programs to ensure integrity and accuracy of joint worldwide EW operational threat databases.

(k) Collaborate with Navy warfare centers, TSSCs, and SSAs to determine specific EW data support requirements for each naval operating area, optimum frequency of updates, geo-tailoring strategies, library content, and other related issues as appropriate.

(l) Act as Navy SEI Secret Internet Protocol Router Network (SIPR-N) data support manager and collaborate with national and service organizations as required.

(m) Prioritize and submit EW system intelligence production requirements to the Defense Intelligence Agency Intelligence Mission Data Center as necessary based on validated system requirements.

c. Systems Commands and Program Executive Offices

(1) Notify the EW functional manager of the research or development of new production or modifications to EW systems that require data support, and include coordination in system developmental milestone processes.

(2) Administer, oversee performance, and provide resources and funding to the TSSCs and SSAs to support reprogrammable EW systems.

(3) Ensure system design practices are consistent with Navy policies on net-centric approved applications, designated authoritative data sources (e.g., Navy Information Operations Database/Signatures and Platforms Integrated Data Repository or EW integrated reprogramming database), and approved system interfaces.
(4) Ensure acquisition directives provide consideration for the design and incorporation of continuous threat changing reprogrammable EW systems, to include support equipment and reprogramming tools.

d. **TSSCs and SSAs**

   (1) Engineer and deliver formatted operational threat databases to fleet users in support of EW operational and training systems as tasked by COMUSFLTFORCOM and their EW functional manager, systems commanders, program executive officers, or program managers.

   (2) Perform engineering analysis, sensor engineering, verification, and validation to ensure correct signal or threat identification and appropriate response.

   (3) Maintain documentation for specific EW system operational threat database configurations.

   (4) Coordinate with other agencies and activities to develop, evaluate, and test electronic attack techniques for respective systems.

   (5) Provide support to fleet and joint reprogramming exercises.

   (6) Collaborate with appropriate commands in the development of EW system geographic tailoring strategies and content. Develop, maintain, and distribute tailored EW products or operator aids and provide training as necessary.

   (7) Monitor EW systems from development through their life-cycle to ensure software and hardware changes are identified and documented. Update operational threat databases to reflect changes which impact system EW support identification and electronic attack response capability.

   (8) Coordinate with other activities and agencies as required for EW system familiarization and training.

   (9) Provide EW data quality assurance via liaison with COMUSFLTFORCOM and their designated agent to ensure life-cycle integrity and accuracy of operational threat databases.

   (10) Inform COMUSFLTFORCOM, their EW functional manager, and other appropriate Navy commands when research reveals new threat system vulnerabilities, capabilities, or new electronic parameters.
e. Naval Air Warfare Center Weapons Division

(1) Act as the technical agent for naval aviation EW data and operational threat database support.

(2) Provide broad scope and comprehensive program oversight to ensure satisfaction of EW mission data and reprogrammable systems support requirements.

(3) As part of the naval aviation enterprise, receive requirements from Commander, Naval Air Forces through naval aviation requirements groups, and Marine Corps EW operators groups and technical review boards, analyze requirements, develop EW mission data and operational threat database solutions; and collaborate with other communities to ensure interoperability.

(4) Provide the threat assessment context to the development of electronic attack techniques with appropriate TSSCs and SSAs for land-based, seaborne, and airborne EW reprogrammable systems.

(5) Inform COMUSFLTFORCOM, their EW functional manager for EW data and operational threat database development, and other appropriate Navy commands when research reveals new threat system vulnerabilities, capabilities, or new electronic parameters.

f. Office of Naval Intelligence

(1) Provide updated and validated foreign naval threat system characteristics and performance data, signatures, and models & simulations to Navy: electronic attack technique development centers, appropriate TSSCs, and SSAs for land-based, seaborne, and airborne EW reprogrammable systems.

(2) Inform COMUSFLTFORCOM, their EW functional manager for EW data and operational threat database development, and other appropriate Navy commands when research reveals new threat system vulnerabilities, capabilities, or new electronic parameters.

g. Naval Research Laboratory

(1) Coordinate the development, evaluation, and testing of electronic attack techniques with appropriate TSSCs and SSAs for land-based, seaborne, and airborne EW reprogrammable systems.

(2) Inform COMUSFLTFORCOM, their EW functional manager for EW data and operational threat database development, and other appropriate Navy commands when research reveals new threat system vulnerabilities, capabilities, or new electronic parameters.
6. Records Management

   a. Records created as a result of this instruction, regardless of format or media, must be maintained and dispositioned per the records disposition schedules located on the Department of the Navy Assistant for Administration, Directives and Records Management Division portal page at https://portal.secnav.navy.mil/orgs/DUSNM/DONAA/DRM/Records-and-Information-Management/Approved%20Record%20Schedules/Forms/AllItems.aspx.

   b. For questions concerning the management of records related to this instruction or the records disposition schedules, please contact the local records manager or the Department of the Navy Assistant for Administration, Directives and Records Management Division program office.

7. Review and Effective Date. Per OPNAVINST 5215.17A, Office of the Chief of Naval Operations (OPNAV), Warfare Integration (N2N6I) will review this instruction annually around 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 10 years, unless revised or cancelled in the interim, and will be reissued by the 10-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 need for cancellation is known following the guidance in OPNAV Manual 5215.1 of May 2016.

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