



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

OPNAVINST 3430.23C
N2/N6
20 Sep 2012

OPNAV INSTRUCTION 3430.23C

From: Chief of Naval Operations

Subj: ELECTRONIC WARFARE DATA AND REPROGRAMMABLE LIBRARY
SUPPORT PROGRAM

Ref: (a) NTP 3-51.2 (NOTAL)
(b) SECNAVINST 5000.36A
(c) OPNAVINST 9410.5B

1. Purpose

a. Per references (a) through (c), to assign responsibilities and procedures within the Navy and Marine Corps for producing authoritative electronic warfare (EW) data and defining, developing, maintaining, managing, distributing libraries, and mission data for automated and reprogrammable EW systems.

b. This revision includes new and updated material. Specifically, it revises and renames the subject to "EW Data and Reprogrammable Library Support Program" from "Tactical EW Reprogrammable Library Support Program". All previous enclosures have been removed. Organizational names have been removed or updated and new ones have been added. This revision also updates policy and stakeholder responsibilities and reflects current EW domain working relationships and growth of the mission.

2. Cancellation. OPNAVINST 3430.23B.

3. Applicability. This instruction applies to all Navy and Marine Corps elements that employ or support EW data and or automated systems with libraries.

4. Scope. Within the EW reprogramming domains, each organization has different system requirements and processes for the development of libraries user data files and mission data loads. Collaboration among all EW stakeholders is critical for

supporting these systems with complete, accurate, and timely EW data. Collaboration is essential to achieving interoperability, a shared operating picture, and fostering maritime domain awareness which furthers the goal of providing warfighters with battle space superiority.

5. Policy Statement. Chief of Naval Operations EW data and system reprogramming policy is intended to:

a. Keep pace with changes in the worldwide EW environment that affect the performance of Navy and Marine Corps reprogrammable EW systems. In this context, reprogrammable EW systems include, but are not limited to: RADAR warning receivers, electronic warfare support (ES), electronic attack (EA), electronic protection, combat identification, specific emitter identification (SEI), and other related systems and weapons that require parametric and related data.

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

c. Ensure capability to translate electronic intelligence and other associated data (e.g., order of battle (OOB), SEI, etc.) into a format that is compatible with specific EW reprogramming supported systems.

d. Maintain an accurate and timely Navy information operations database (NIODB) to provide intelligence and operations parametric data supporting all reprogrammable EW systems.

e. Ensure collaboration and information exchange between Navy and Marine Corps reprogramming organizations (e.g., Naval Undersea Warfare Center (NAVUNSEAWARCEN), Naval Air Warfare Center Weapons Division (NAVAIRWARCENWPNDIV), Naval Surface Warfare Centers (NAVSURFWARCENS), and Navy Information Operations Command Norfolk to improve data timeliness, quality, and gain efficiencies in database development supporting automated EW reprogrammable systems.

f. Emphasize and maintain a dynamic and responsive fleet EW library update capability to include the ability to insert and add new threats or threat changes in the electromagnetic spectrum during peacetime, hostilities, and war.

g. Employ research, development, test, and evaluation resources in designing future EW reprogrammable systems and related support equipment.

h. Maintain support to operating forces to include: joint task forces, information warfare commanders, EW officers, and equipment operators through continuous EW system library updates, extensive reprogramming, at sea training, and exercises.

i. Ensure participation in appropriate joint and fleet exercises (e.g., Pacific Fleet (PROUD BYTE, Rim of the Pacific Exercises, VALIANT SHIELD, TERMINAL FURY), etc.).

6. Responsibilities

a. Deputy Chief of Naval Operations for Information Dominance (CNO (N2/N6))

(1) Provide overall management of the EW data and reprogrammable library support program.

(2) Provide guidance to Fleet Cyber Command (FLTCYBERCOM) on directing Navy EW reprogramming.

(3) Provide oversight and requirements to Naval Air Systems Command and naval systems commands for the development of new systems, as well as conversion and upgrading 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 support to Navy and Marine Corps automated EW systems is integrated with similar efforts throughout the Department of Defense (DoD).

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

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

b. FLTCYBERCOM and Commander, Tenth Fleet (COMTENTHFLT)

(1) As the information operations (IO) functional area manager and functional data manager, execute IO data management and interoperability processes for the Navy.

(2) Approve and certify data content of surface and subsurface EW system libraries.

(3) Review and approve TSSC, SSA, and fleet requirements for surface and subsurface systems.

(4) Designate and resource an executive agent for EW data and library development, with the following responsibilities:

(a) Act as the primary liaison and central point of contact for the Navy EW data and reprogrammable library support program.

(b) Manage the Web-enabled NIODB as a primary source for library development and a collaboration source for formatted and validated parametric, OOB, characteristics and performance, and SEI data for Navy, joint, and intelligence analyst and fleet operator support across all communities.

(c) Produce data file products per DoD standards (e.g., Extensible Markup Language (XML), etc.).

(d) Produce, maintain, and distribute a stand-alone operator aid, modeled from NIODB, to support bandwidth underprivileged and denied EW warfighters.

(e) Manage and coordinate Navy parametric data for inclusion in United States Electromagnetic Systems Database (USELMSDB).

(f) Act as the Navy manager and provide administrative and technical representation in matters pertaining to the North Atlantic Treaty Organization Emitter Database (NEDB). Ensure NEDB distribution follows applicable North Atlantic Treaty Organization security requirements to authorized Navy, Marine Corps, and Coast Guard consumers.

(g) Serve as the Navy representative for USELMSDB and NEDB matters.

(h) Liaise with producers of other EW databases such as those at the National Security Agency (NSA), Defense Intelligence Agency (DIA), and service production centers; Office of Naval Intelligence (ONI), Marine Corps Intelligence Activity, National Air and Space Intelligence Center (NASIC), National Ground Intelligence Center (NGIC), and Missile and Space Intelligence Center (MSIC).

(i) Coordinate with TSSCs, SSAs and other activities, as required, for EW system training.

(j) Coordinate and use the DIA threat change messaging portal for validating fleet threat changes.

(k) Support Army and Air Force quality assurance and quality control program to ensure integrity and accuracy of joint worldwide EW libraries and databases.

(l) Annually prepare and submit the Joint intelligence production requirements to DIA, ensuring coordination with service production centers, TSSCs, and SSAs.

(m) Collaborate with United States Fleet Forces Command, the Fleet Electronic Warfare Center, NAVAIRWARCENWPNDIV, NAVSURFWARCENS, NAVUNSEAWARCEN, TSSCs and SSAs to determine specific libraries needed for each naval operating area, optimum frequency of updates, geo-tailoring strategies, library content, and other related issues as appropriate.

(n) Act as Navy SEI data support manager and collaborate with national and service organizations as required.

(o) Coordinate reprogramming support as required.

(p) Perform independent validation and verification of threat data in support of Navy compartmented capabilities.

c. Systems Commands, Program Executive Offices and Program Offices

(1) Notify CNO (N2/N6) of the research and development of new production or modifications to EW systems requiring support and include coordination in system developmental milestone processes.

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

(3) Ensure system design practices are consistent with Navy policies on net-centric approved applications, designated authoritative data sources (e.g., NIODB, EW Integrated Reprogramming Database (EWIRDB), etc.), and approved system interfaces.

(4) Identify new system development, new data production requirements, or modifications to existing systems in Department of the Navy Applications and Database Management System per reference (a).

(5) 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) Produce EW mission data and engineered libraries for EW systems as tasked by COMTENTHFLT; systems commanders; program executive officers; and program managers.

(2) Employ the NIODB as the primary source of EW data to ensure EW system interoperability and data standardization. Use other national intelligence databases to facilitate engineering and development requirements. These data sources include but

are not limited to: EWIRDB, Modernized Integrated Database, Naval Intelligence Database, Combined Emitter Database, and USELMSDB.

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

(4) Maintain documentation for specific EW system library configurations.

(5) Liaise with producers of intelligence databases, such as NSA, DIA, theater intelligence centers, and service production centers (e.g., ONI, NASIC, NGIC, and MSIC) to validate data requirements.

(6) Coordinate with other agencies and activities to develop, evaluate, and test EA techniques for respective systems.

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

(8) Collaborate with appropriate commands in the development of EW system geographic tailoring strategies and library content. Develop, maintain, and distribute tailored EW products or operator aids and provide training as necessary. Coordinate with combatant commanders, tactics schools, and the fleet to tailor libraries.

(9) Monitor EW systems from development through their life-cycle to ensure software and hardware changes are identified and documented. Update databases and libraries to reflect changes which impact system ES identification and EA response capability.

(10) Provide formatted data to fleet users in support of EW systems.

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

(12) Provide EW data quality assurance via liaison with NSA, DIA, and ONI to ensure life-cycle integrity and accuracy of EW libraries.

(13) Inform the FLTCYBERCOM and COMTENTHFLT executive agent for EW data and library development and other appropriate Navy commands when research reveals new threat system vulnerabilities, capabilities, and or new electronic parameters.

(14) Prioritize and submit joint intelligence production requirements to DIA.

e. NAVAIRWARCENWPNDIV

(1) The technical agent for naval aviation EW library and IO database support.

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

(3) Act as part of the Navy Enterprise, receiving requirements from Commander, Naval Air Force through naval aviation requirements groups and Marine Corps EW operators group and technical review boards, analyzing requirements, developing EW mission data and library solutions, and collaborating with other communities to ensure interoperability.

f. Office of Naval Intelligence

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

(2) Inform the FLTCYBERCOM and COMTENTHFLT executive agent for EW data and library development and other appropriate Navy commands when research reveals new threat system vulnerabilities, capabilities, and or new electronic parameters.

g. Naval Research Laboratory

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

(2) Inform the FLTCYBERCOM and COMTENTHFLT executive agent for EW data and library development and other appropriate Navy commands when research reveals new threat system vulnerabilities, capabilities, and or new electronic parameters.

7. Records Management. Records created as a result of this instruction, regardless of media and format, shall be managed per Secretary of the Navy Manual 5210.1 of November 2012.



KENDALL L. CARD
Vice Admiral, U.S. Navy
Deputy Chief of Naval Operations
for Information Dominance

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