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

IN REPLY REFER TO

OPNAVINST 3430.23B  
OP-944

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OPNAV INSTRUCTION 3430.23B

From: Chief of Naval Operations

Subj: TACTICAL ELECTRONIC WARFARE REPROGRAMMABLE LIBRARY (EWRL)  
SUPPORT PROGRAM

Ref: (a) OPNAVINST 9410.5 Data Base and Communication Standards  
Interoperability Requirements for Tactical Naval  
Warfare Systems (NOTAL)  
(b) CNO ltr 2000 Ser 941C/1U552769 of 5 Aug 91  
Implementation of Copernicus Architecture Requirements  
Definition (NOTAL)

Encl: (1) EWRL Definitions  
(2) EWRL Rapid Reprogramming  
(3) EWRL Program Sponsorship  
(4) EWRL Program Functional Responsibilities  
(5) EWRL Program Supported Systems  
(6) EWRL Feedback Report  
(7) EWRL Library Maintenance/Updates

1. Purpose. To issue responsibilities and procedures for defining, developing, maintaining, managing and distributing Electronic Warfare (EW) Reprogrammable Libraries for automated EW systems. This instruction has been substantially revised and should be read in its entirety.

2. Cancellation. OPNAVINST C3430.23A, report control symbol OPNAV 3430-2, and forms OPNAV 3430/2 and OPNAV 3430/3.

3. Applicability. This instruction applies throughout the U.S. Navy and Marine Corps. It applies to all supporting intelligence, logistics, communications, procurement and acquisition agencies.

4. Scope and purpose. The EWRL process is not an end in itself. If properly employed, the EWRL process can provide a systematic, decision making tool to direct Navy and Marine Corps combat actions in response to an unexpected enemy action. The EWRL process must provide the interface, coordination and integration



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of Navy and Marine Corps forces in support of peacetime, contingency, and wartime operations. The EW reprogramming process provides operational commanders with a timely and accurate means to respond to previously unknown enemy threat parametric changes and unique theater or mission threat requirements to enhance total force capability and survivability. The reprogramming process can include changes in tactics, support operations, EW equipment software and hardware, and changes in support equipment and other support systems (e.g., training devices, threat simulators, etc.)

5. Policy statement. Chief of Naval Operations EWRL goals are as follows:

a. To effectively counter hostile Wartime Reserve Modes (WARM) and to maintain a vigilant intelligence review effort in order to minimize the impact of threat WARM on Navy/Marine Corps reprogrammable EW systems (e.g., radar warning receivers (RWR), electronic countermeasures (ECM) systems, and weapons requiring EW parametrics).

b. Establish procedures throughout all command levels to ensure existing and future EWRL capabilities are fully considered, coordinated and supported.

c. Establish and maintain an effective capability to assemble, identify, correlate, and disseminate tactical and technical electronic intelligence (ELINT) information during peacetime and hostilities involving low intensity conflict or wartime.

d. Establish an effective and responsive WARM threat analysis capability.

e. Establish capability to translate ELINT into a common format that can be compared to specific EWRL system capabilities.

f. Establish timely, secure, and survivable means to transmit reprogramming change information worldwide to deployed Navy and Marine Corps units (enclosure (2) germane).

g. Efficiently use research, development, test, and evaluation (RDT&E) resource in designing future EW reprogrammable systems and related support equipment.

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h. Establish and maintain an accurate and timely data base to provide intelligence and operations parametric data to support EW reprogramming and EW planning systems.

6. Functional responsibilities (See enclosure (4))

a. Chief of Naval Operations (CNO) (OP-944)

(1) Provide overall management of the Navy's EWRL process.

(2) Provide requirements to the cognizant systems command for the development of new systems and the conversion of existing systems to improve standardization and promote commonality.

(3) Maintain liaison with the Joint Chiefs of Staff (JCS) and other services/agencies to ensure that, where possible, the EWRL program is integrated with similar efforts throughout the Department of Defense.

(4) Provide guidance and direct the efforts of the Electronic Warfare Operational Programming Facility (EWOPFAC). Forward validated EWOPFAC operational requirements and funding support to Commander, Space and Naval Warfare Systems Command (COMSPAWARSYSCOM) (enclosure (3) germane).

(5) Include EW reprogramming in fleet and joint exercises.

b. Chief of Naval Operations (OP-02, 03, 05)

(1) Fulfill requirements of resource sponsorship for electronic warfare systems support, including support for library development through the EWRL program.

(2) Provide for validation and forwarding of Tactical Systems Support Center/Software Support Activity (TSSC/SSA) EWRL support requirements and funding to COMSPAWARSYSCOM (enclosure (3) germane).

c. Fleet Commander in Chief (FLTCINC)

(1) Approve content of EW libraries for areas of responsibility.

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(2) Determine specific libraries needed for each naval operating area and optimum frequency of update.

(3) Establish priorities among different system libraries.

(4) Approve and submit geo-tailored EW library requirements to OP-944 for funding coordination with platform sponsors (enclosure (3) germane).

(5) Approve threat listings, friendly and non-hostile signals, and their priority in both embedded and field reprogrammable libraries.

(6) Approve dissemination of new/updated engineered libraries and operator aids.

(7) Include EW reprogramming in fleet/joint exercises.

d. COMSPAWARSSYSCOM

(1) Provide program management and data/systems engineering for the EWRL program in accordance with validated OPNAV EWRL requirements (enclosure (3) germane).

(2) Develop, test, and procure hardware and software to establish and maintain an EW Support System (EWSS) with an integrated Automated Data Processing (ADP) and communications architecture. Navy Warfare Tactical Data Base (NWTDB) (reference (a) germane), COPERNICUS (reference (b) germane), and Space and Electronic Warfare (SEW) initiatives will be considered during evolution of the EWSS to ensure that current and future Navy EW related support can be fulfilled as requirements are identified.

(3) Develop interfaces to the SEW support console within the NTCS-A program which will provide the capability to support deployed tactical commanders' ability to incorporate rapid changes to battle group EW assets in response to a threat. Reprogramming interfaces from various deployed EW systems must be integrated into the EWSS and NTCS-A systems. COMSPAWARSSYSCOM shall provide a common architecture and suitable means for disseminating tactical EW data to deployed battle group commanders.