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DIRECTOR OF SPACE AND ELECTRONIC WARFARE  
N6

Mission: To exercise CNO responsibility for centralized coordination over policy, planning, and integration of requirements for Space and Electronic Warfare (SEW) including Command, Control, Communication, Computers and Intelligence (C<sup>2</sup>I); space exploitation (except those requirements under the aegis of the Director, Central Intelligence Agency (CIA)), and space defense matters; reconnaissance, ocean surveillance (less Sound Undersea Surveillance System (SOSUS)); Command and Control Warfare (C<sup>2</sup>W) (including electronic warfare (EW), military deception, psychological operations (PYSOPS), operational security (OPSEC), and destruction, combat identification, information security (INFOSEC); and information warfare). To implement the responsibilities of CNO with respect to determination of characteristics, development, appraisal, and coordination of program execution for SEW systems (including satellite communications, surveillance, navigation, and environmental sensing systems). To serve as principal advisor to CNO on tactical and non-tactical computer systems. To serve as the Corporate Information Officer (CIO) to CNO to ensure optimum use of Navy information resource management systems. To serve as principal advisor to CNO for Navy Records Management. To act as CNO's representative to other services and government agencies for matters involving INFOSEC, communications, tactical intelligence and operational information systems, C<sup>2</sup>W, information warfare, combat identification, space matters, Worldwide Military Command and Control System (WWMCCS), and Navy electromagnetic interference (EMI).

To exercise centralized advocacy of SEW systems engineering, configuration control, planning and requirements for fleet tactical readiness and force modernization. Included are responsibilities for integration and coordination of SEW programs at the battle and amphibious force level, and for implementation of SEW tactics, doctrine and training.

Functions:

1. Serves as the Navy Advocate for SEW.
  - a. Develops and addresses SEW requirements.
  - b. Recommends SEW program priorities and trade-offs.

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c. Monitors SEW task objectives and assists cognizant OPNAV program sponsors in obtaining approval of SEW warfare task requirements.

d. Validates research, development and acquisition programs for attainment of SEW requirements.

e. Reviews programming/reprogramming proposals involving SEW programs, including sponsor program proposals (SPPs), following the DON Programming Manual (OPNAV 90P-1E), and recommends approval or disapproval to N8.

f. Supports Summary Warfare Appraisal.

g. Develops and maintains the Navy SEW Master Plan.

h. Assists N7 in SEW mission area training continuum development and maintenance. Participates on SEW training continuum development teams. Based on fleet feedback, identifies tactical training deficiencies within SEW.

i. Coordinates with appropriate OPNAV Principal Officials (OPOs), R&D centers, and interfaces with COMSPAWARSYSCOM on SEW plans, policy, doctrine and requirements.

j. Implements Joint, DOD, national and allied SEW policies, doctrines and requirements.

k. Acts as OPNAV central coordinator for C<sup>2</sup>W, combat identification, Cover and Deception, and information warfare program requirements.

2. Sponsors command and control (C<sup>2</sup>) and communications systems, space communications, surveillance, navigation and environmental sensing systems, C<sup>2</sup>W systems, combat identification, standard computer and peripheral development, intelligence support systems, INFOSEC, and information warfare.

3. Coordinates with appropriate OPOs in developing C<sup>2</sup>W, combat identification, C<sup>2</sup>, space exploitation and space defense, INFOSEC, and information warfare policy. Determines Navy objectives, and exercises overall authority for CNO on C<sup>2</sup>W, combat identification C<sup>3</sup>, space exploitation and space defense, INFOSEC, and information warfare.

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4. Coordinates with OPOs to ensure SEW systems and programs under their cognizance are compatible with SEW requirements and priorities as stated in the Navy SEW Master Plan. Provides reviews and assessments of programs across all warfare and functional areas for the Resources and Requirements Review Board (R<sup>3</sup>B).
5. Acts as DON central point of contact for the interface with other services, National Tactical Interface (NTI), Tactical Intelligence and Related Activities (TIARA) and intelligence support to tactical units matters (less Tactical Cryptologic Program (TCP)).
6. Provides SEW operational requirements to N091.
7. Coordinates with N3/N5 to ensure SEW matters are consistent with Navy and national plans and policies, and to ensure that pertinent programs are consistent with strategic objectives.
8. Determines SEW requirements relative to each of the specific warfare tasks and tactical employment of weapons and sensors.
9. Ensures SEW system concepts and objectives, including electronic security and vulnerability assessments, are met.
10. Ensures Navy SEW planning is compatible with the combat system requirements developed by N8.
11. Advises N4 of current and future requirements for installation and modernization of SEW equipment ashore. In conjunction with the platform sponsors, provides detailed recommendations for SEW characteristics of ships for submission to the Ship Characteristics Improvement Panel (SCIP) of the Resources and Requirements Review Board (R<sup>3</sup>B).
12. Coordinates with N1 and N095 to ensure selection, training and readiness of Navy SEW active and reserve personnel meet current, M-day+, and quick-response defense scenarios against growing technological capabilities of third world nations and the increasing threat they pose to U.S. interests.
13. Represents SECNAV and CNO on DON, interdepartmental, DOD and national committees, boards, agencies, and studies related to space exploitation (except those under the aegis of the Director, Central Intelligence Agency (CIA)), INFOSEC, communications, and space defense.

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14. Coordinates Navy and Coast Guard maritime mutual interests in SEW requirements.
15. Serves as resource and program sponsor for COMNAVCOMTELCOM, COMNAVSPACECOM, and NCTSI. Serves as Chair of the Fleet Information Systems Management Council (FISMC).
16. Serves as the OPNAV CAO for COMNAVSPACECOM; NCTSI; and COMNAVCOMTELCOM.
17. Provides technical inputs to, and assists N3/N5 in advising CNO on international politico-military and foreign military assistance implications for SEW plans and policies.
18. Acts as OPNAV focal point for all matters concerning the current WWMCCS ADP Program and follow-on replacement systems.
19. Acts as CNO representative for coordination with the Joint Interoperability Engineering Organization (JIEO) of the Defense Information Services Agency (DISA).
20. Develops naval combat systems policy for digital data link standards in coordination with platform sponsors to ensure operational suitability, compatibility, and interoperability requirements are achieved and maintained.
21. Develops Navy policy, provides policy guidance, and acts as functional manager over broad-based areas of ocean surveillance (less SOSUS); space exploitation (including Tactical Exploitation of National Capabilities (TENCAP)); Over-the-Horizon-Targeting (OTH-T); TIARA matters (less Tactical Cryptologic Program (TCP)); and reconnaissance.
22. Serves as OPNAV focal point for all navigation matters that can be satisfied by a common system.
23. As the CIO, generates, through control and coordination of Navy information systems, development of integrated information systems and networked systems, including technical and data exchange standards, which will meet the requirements of all levels of management in Navy. Serves as central point of contact within OPNAV for ADP matters.
24. Sponsors the Navy EMI control program, and coordinates with OPOs and SYSCOMs on funding and execution of efforts both to rid

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the fleet and shore establishment of mission-degrading EMI, and to institutionalize EMI prevention.

25. Sponsors the Navy effort to ensure endurance and survivability of mission-critical C<sup>2</sup>, both strategic and tactical, from electromagnetic pulse (EMP) effects of high altitude nuclear weapon detonations.

26. Advises N1 and N7 on the specialties/subspecialties for SEW and information systems, and ensures Navy personnel are adequately trained in SEW.

27. Provides customer satisfaction to the Fleet Commanders in Chief, numbered commands, type commanders, Fleet Marine Force (FMF) for the purpose of ensuring N6 plans and actions are responsive to the Fleet needs.

28. Directs the implementation and institutionalization of Total Quality Leadership (TQL) throughout the SEW directorate.

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