

**Department of the Navy  
Program Executive Office for  
Space Systems and  
Space and Naval Warfare Systems Command  
Space Field Activity (SSFA)**

*Making Space a Part of the Combat System*

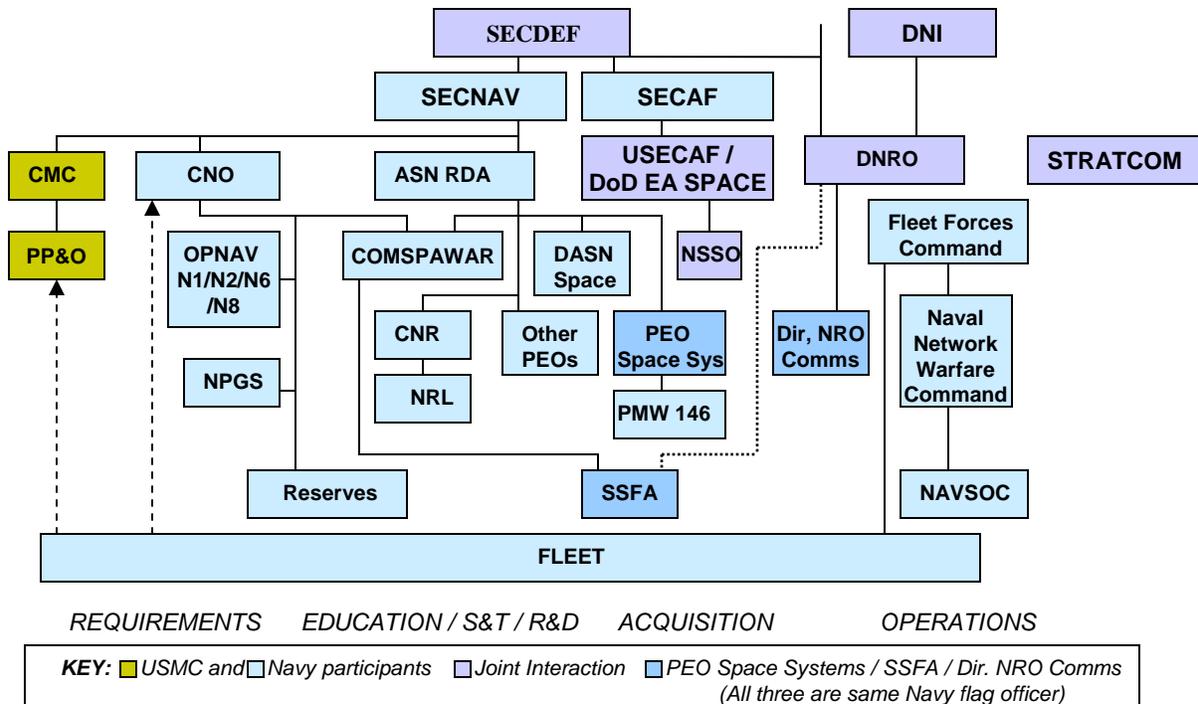


Naval forces are critically dependent on National Security Space systems for support of their operational combat mission. In accordance with Department of the Navy (DoN) Space Policy 2004, space systems are integral elements of the naval C4ISR system, providing combat information, communications, navigation, and environmental support that can be generated uniquely or most effectively from space.

The Program Executive Office (PEO) for Space Systems and the SPAWAR Space Field Activity (SSFA) function within the context of the larger range of DoN space activities as depicted below. Other organizations include policy, requirements, acquisition and operations elements. CNO (N1, N2, N6, N8), Headquarters Marine Corps (PP&O), and Commander, Naval Network Warfare Command have primary responsibility for DoN space requirements, plans, resources and operations, and are the focal points for naval space. Commander, SSFA and PEO Space Systems, along with a third assigned “hat” as Director, NRO Communications Directorate, provide program oversight, coordination of space research, development and acquisition, and manages naval participation in National Security Space programs.

**PEO Space Systems reports to the Assistant Secretary of the Navy for Research, Development and Acquisition for assigned space programs; Commander, SSFA reports to COMSPAWARSYSCOM; and, as Director, NRO Communications, reports to Director, NRO, for assigned duties.**

**Department of the Navy Participation in National Security Space Activities**



# Programs

## PEO Space Systems Space Programs

The Navy, through its PEO Space Systems Communications Satellite Program Office (PMW-146), serves as the acquisition agent for three Department of Defense Ultra-High Frequency (UHF) satellite communications (SATCOM) programs: the Leased Satellite (LEASAT), the UHF Follow-On (UFO) and the Mobile User Objective System (MUOS). The Navy leases UHF SATCOM services on the LEASAT 5 satellite to support warfighters operating in the Indian Ocean theater of operations. The UFO system provides worldwide tactical narrowband UHF SATCOM to all of DoD and other U.S. government agencies through its constellation of eight geosynchronous communications satellites that achieved Initial Operational Capability in 1993 and Full Operational Capability in 2000. To meet the ongoing need for UHF narrowband SATCOM, the Navy is procuring the next generation system, MUOS, that will meet 21<sup>st</sup> century naval and joint tactical communication needs. When MUOS comes on-line in 2010, it will initially provide UHF SATCOM services to existing UFO users with its legacy UHF payload, preserving DoD's investment in UHF terminals, while providing the narrowband satellite platform for future Joint Tactical Radio System terminals. The MUOS will employ the latest commercial advances in third generation Wideband Code Division Multiple Access cellular phone networks, adapting the architecture and combining it with geosynchronous satellites (in place of cell towers), to provide an advanced payload that dramatically increases the voice, data, and video communications capabilities available to the *mobile* warfighter.

## National Security Space (NSS) Programs

The Navy has been a partner in the National Reconnaissance Office (NRO) for more than 40 years. Navy participation is in accordance with the Department of the Navy Space Policy, with military and civilian personnel assigned to each of the NRO major program directorates, including IMINT, SIGINT, MASINT, Communications, and Advanced Science and Technology. The Navy's 230 personnel at NRO are assigned to the SPAWAR Space Field Activity, NELO, or the NAVELM DoD Project Office, providing naval technical and warfighting expertise to NRO programs. Navy personnel also bring National Security Space concepts and capabilities to bear on developing naval combat systems. SSFA personnel also are assigned to other NSS organizations such as the National Security Space Office and several joint space acquisition program offices.

The Naval-NRO Coordinating Group (NNCG) provides an essential link between DoN and the NRO. Chartered jointly by the Director, NRO and Undersecretary of the Navy, the NNCG works together with Navy TENCAP and the NRO's Office of Military Support to create a shared awareness of Navy needs and NSS capabilities. With a small staff of space-knowledgeable naval warfare experts, NNCG supports both Navy and NRO programs by linking naval warfare plans, systems and technology with NRO development and acquisition programs.

***PEO Space Systems, SSFA and NNCG link warfare sponsors with NSS to support mutual awareness of evolving technologies and operational gaps to improve warfighter effectiveness***

## ABBREVIATIONS

- ASN – Assistant Secretary Navy
- HQMC – Headquarters Marine Corps
- CMC – Commandant Marine Corps
- CNO – Chief of Naval Operations
- CNR – Chief Naval Research
- DASN – Deputy Assistant Secretary Navy
- DoD EA – Department of Defense Executive Agent
- DNI – Director National Intelligence
- NAVSOC – Naval Space Operations Center
- NPGS – Naval Post Graduate School
- NRL – Naval Research Laboratory
- NRO – National Reconnaissance Office
- NSSO – National Security Space Office
- PP&O – Plans, Policy and Operations, Marine Corps
- RDA – Research, Development and Acquisition
- SECDEF – Secretary of Defense
- SECNAV – Secretary of Navy
- USECAF – Under Secretary Air Force