

# Navy Information Warfare (IW)

Navy policy, acquisition, people and operations are aligned to dominate the information domain.



## Lead

The Chief of Naval Operations sets policies, designates funding and oversees all aspects of the Navy IW mission.



## Acquire

SPAWAR develops, delivers, and sustains cyber warfighting capability from seabed to space.



## Prepare

Navy Information Forces Command mans, trains and prepares cyber technical experts to dominate the information realm.



## Fight

U.S. 10th Fleet/Fleet Cyber Command actively engages in the cyber battlespace to counter and fight cyber threats worldwide.

# Areas of Expertise

**Command and Control:** organize, direct, coordinate, deploy and control forces to accomplish missions.

**Intelligence, Surveillance, Reconnaissance and Information Operations:** collect, process, exploit and disseminate information regarding an adversary's capability and intent.

**Communications and Networks:** provide accurate and timely information through voice, video and data.

**Cyberspace Operations:** operate, protect and defend communications and networks, while simultaneously exploiting an adversary's command and control.

**Business Information Technology (IT) and Enterprise Information Systems:** enable common business processes and ensure standard IT capabilities.

**Enterprise Systems Engineering:** develop solutions based on capability needs, design considerations and constraints.

**Space Systems:** procure and manage narrowband communication satellites in support of the Department of Defense and other government agencies.



# Overview and Programs

**SPAWAR System Centers:** SPAWAR has two systems centers focused on research, development, test and evaluation for military C4ISR systems. The work delivers complete life cycle development, from concept to fielded capability, and includes programs in navigation and applied sciences, integrated cyber operations, robotics and unmanned systems, modeling and simulation, and marine mammals.

**Consolidated Afloat Network Enterprise Services (CANES):** SPAWAR is leading the Navy's CANES program consolidating five legacy networks and combining them into one, which enhances operational effectiveness and provides better quality of life for deployed Sailors.



**Ship Installations:** On average, SPAWAR conducts 1,500 installations annually across ship and shore sites worldwide to ensure the fleet is ready with the latest C4I systems and technology.

**Mobile User Objective System (MUOS):** SPAWAR supports the MUOS satellite program delivering increased, secure smart phone-like communication capabilities including simultaneous voice, video and mission data, on a high-speed Internet Protocol-based system.



SEABED

TO

SPACE

## SPAWAR Mission

SPAWAR develops, delivers and sustains advanced cyber capabilities for our warfighters. SPAWAR, along with its system centers, space field activity and its partnership with three program executive offices, provides the hardware and software needed to execute Navy missions. With nearly 10,000 active duty military and civilian professionals located around the world and close to the fleet, SPAWAR is at the forefront of research, engineering and acquisition, keeping our forces connected around the globe.

**Located around the world and close to the fleet!**



### International Locations:

Japan  
Guam  
Germany  
Spain  
Italy  
Bahrain



## SPAWAR Vision

**Accelerate and streamline delivery of new capability** and advanced technology to the fleet to maintain U.S. technological superiority and to maximize warfighter advantage.

**Enable the delivery of advanced modern IT and cyber capabilities** and transform what it means to operate and maneuver within the cyber domain.

**Provide the cyber technical leadership** required across the Navy.

**Reduce the cost of operations** to ensure delivery of affordable warfighting solutions.

**Optimize our organization and workforce** to bring about this change.

### Space and Naval Warfare Systems Command

Program Executive Office Command, Control, Communications, Computers and Intelligence (PEO C4I)

Program Executive Office Enterprise Information Systems (PEO EIS)

Program Executive Office Space Systems (PEO SS)

SPAWAR Systems Center Atlantic (SSC Atlantic)

SPAWAR Systems Center Pacific (SSC Pacific)

SPAWAR Space Field Activity

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# SPAWAR



## SPACE AND NAVAL WARFARE SYSTEMS COMMAND



**Rapidly delivering cyber warfighting  
capability from seabed to space**