Rapidly Delivering Cyber Warfighting Capability from Seabed to Space

February 13, 2019

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America’s military has no preordained right to victory on the battlefield.

- National Defense Strategy

- Build a More Lethal Force
- Strengthen Alliances and Attract New Partners
- Reform the Department for Greater Performance and Affordability
Supporting the National Defense Strategy

Security Environment:

• Increasing use of the maritime domain—the oceans, seas, waterways, and seafloor
• Rise of global information systems, especially the role of data in decision making
• Increasing rate of technological creation and adoption

Navy’s Response

• Become more agile
• Compete in ways that are sustainable
• With the Joint Force and with our allies and partners, control the high end of maritime conflict

To recapture strategic momentum and grow our advantages in the maritime domain, the U.S. Navy will act with a sense of urgency and creativity
Supporting Navy Strategy

LOE Blue:
Strengthen Naval Power at and from the Sea

LOE Green:
Achieve High Velocity Outcomes

LOE Gold:
Strengthen Our Navy Team for the Future

LOE Purple:
Expand and Strengthen Our Network of Partners

SPAWAR Strategic Vision 2017-2018 aligns with Design 2.0

Meet our Commitments

Be the Technical Expert

Develop Our People and Our Organization

Be Trusted Partners
**Mission Statement:** SPAWAR identifies, develops, delivers and sustains information warfighting capabilities supporting naval, joint, coalition and other national missions.

**Vision:** Rapidly delivering cyber warfighting capability from seabed to space
Modernized 330 platforms with 1,457 C4I alterations

NGEN-R – Enterprise network as a warfighting system

Robust prototype demonstrations
Drive Cyber Resiliency

- Cyber Figure of Merit (CFOM)
- Risk Management Framework and CYBERSAFE
- Systems Operational Tests (SOT)
Optimize Our Organization, Operations and Workforce

- SPAWAR Acquisition Integrated Logistics Online Repository (SAILOR) improvements
- Program Management Institute (PMI) Registered Educational Provider
- Ranked #2 of all participating Navy organizations in the 2018 “Best Places to Work in the Federal Government” list
“Establish a capability development hub (DEVGRUWEST) at C3F. Principally supported by Space and Naval Warfare Systems Command (SPAWAR), the Naval Postgraduate School (NPS), the NWDC, and the TYCOM Warfare Development Commands, it will form the Navy’s Center of Excellence for capability development.”

**Support Third Fleet**
- Accelerate warfighting capabilities
- Developmental operations…with increased speed, scale and rigor

**Acquisition Perspective**
- Leverage new authorities, manage risk
- Move fast, but deliberately; remain agile

*Strengthen the synergy between development and dissemination of naval doctrine and naval capability*
Today, every domain is contested—air, land, sea, space, and cyberspace.

“a modern combined arms approach...embraces more intelligent weapons and information warfare across five domains—air, land sea, space and cyber.”

“We must ensure the U.S. military’s ability to fight and win wars in any domain, including cyberspace.”

“This global competition extends to the maritime domain, including the seabed, and importantly, to newer domains: space and cyber.”

Use of information IS a fundamental element of warfare
Navy Research and Development Establishment
Office of Naval Research, SYSCOMs, and PEOs

▼ Naval Air Warfare Centers:
  China Lake, Lakehurst, Orlando, Point Mugu, Patuxent River

▼ Naval Surface Warfare Centers:
  Carderock, Corona, Crane, Dahlgren, Dam Neck, Indian Head, Panama City, Philadelphia, Port Hueneme

▼ Naval Undersea Warfare Centers:
  Keyport, Newport
Naval Information Warfare Center (NIWC)

Focus and alignment of existing mission to great power competition

NIWC pronounced “Nī’wick”
Questions?