



Space and Naval Warfare Systems Command

*Rapidly Delivering
Cyber Warfighting Capability
from Seabed to Space*

February 18, 2016

Provided for:

WEST

Rear Admiral Dave Lewis
Commander



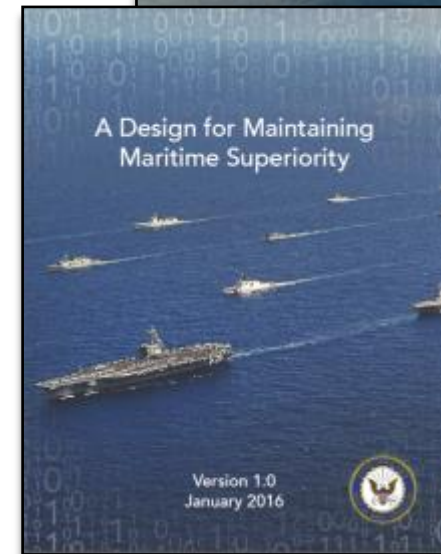
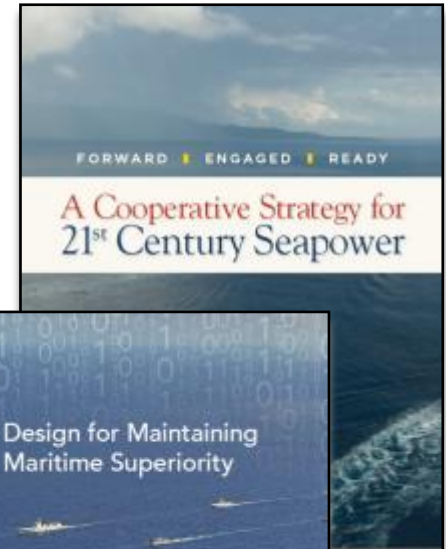
A Design for Maintaining Maritime Superiority

Strategic Environment / Forces

- Traffic on the oceans, seas, and waterways, including the sea floor - the classic maritime system
- Rise of the global information system – the information that rides on the servers, undersea cables, satellites, and wireless networks that increasingly envelop and connect the globe
- The increasing rate of technological creation and adoption

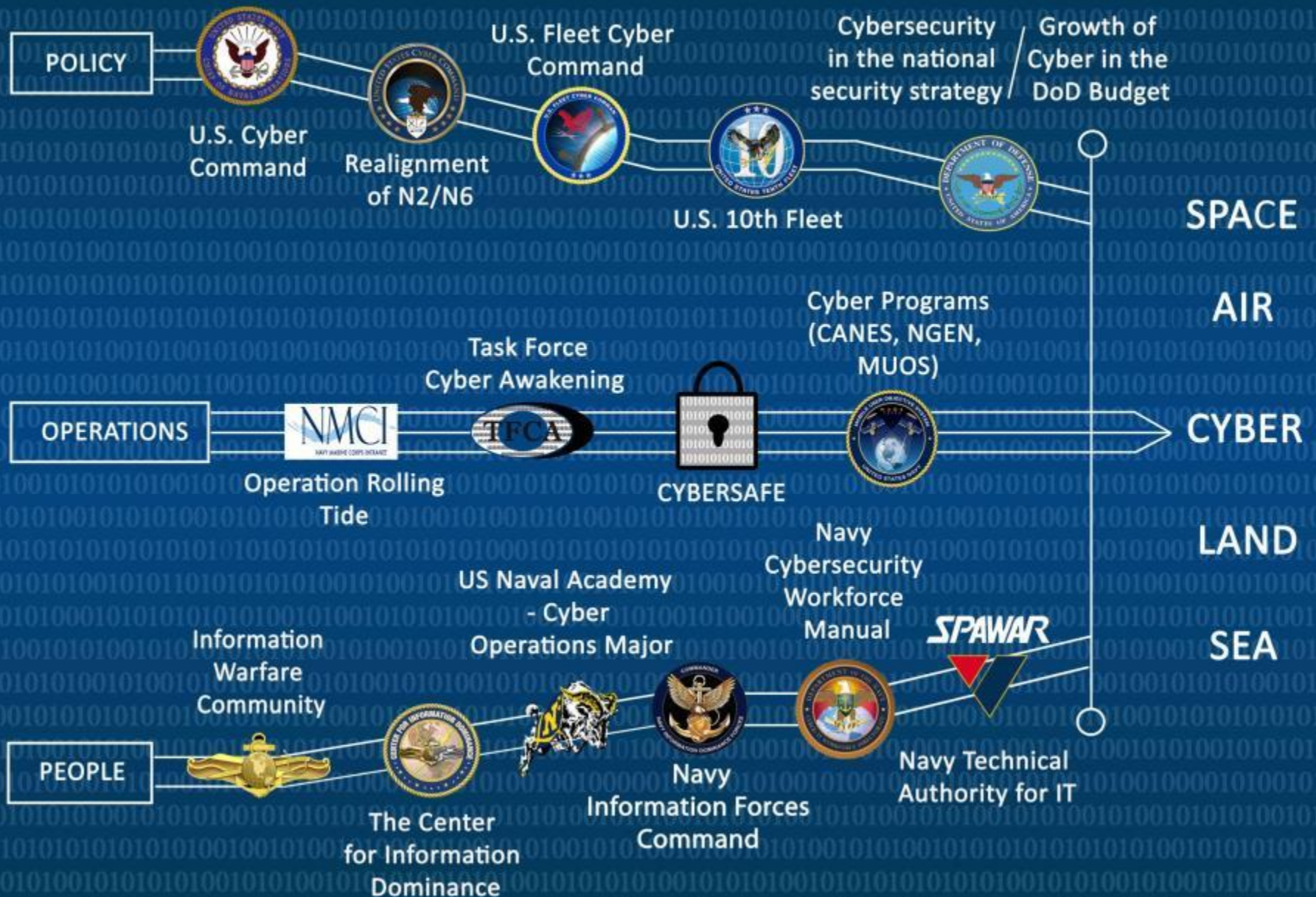
Lines of Effort

- Strengthen naval power at and from the sea
- Achieve high velocity learning at every level
- Strengthen our Navy team for the future
- Expand and strengthen our network of partners



Integrity Accountability Initiative Toughness

Cyber Evolves as 5th Warfighting Domain



NAVY CYBER

SECNAV/CNO



CYBER POLICY

LEAD

Sets policies, designates funding and oversees all aspects of the Navy cyber mission.

ACQUIRE

Develops, delivers and sustains cyber warfighting capabilities from seabed to space.

SPACE AND NAVAL
WARFARE SYSTEMS
COMMAND

SPAWAR



TECHNICAL AUTHORITY

NAVIFOR



CYBER FORCES

EQUIP

Mans, trains and equips cyber technical experts to dominate the cyber realm.

FIGHT

Actively engages the cyber battlespace to counter and fight cyber threats worldwide.

U.S. 10TH FLEET/
FLEET CYBER COMMAND



CYBER OPERATIONS

SEABED TO SPACE



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SPAWAR Strategic Vision 2015-2022

Foundational Principles

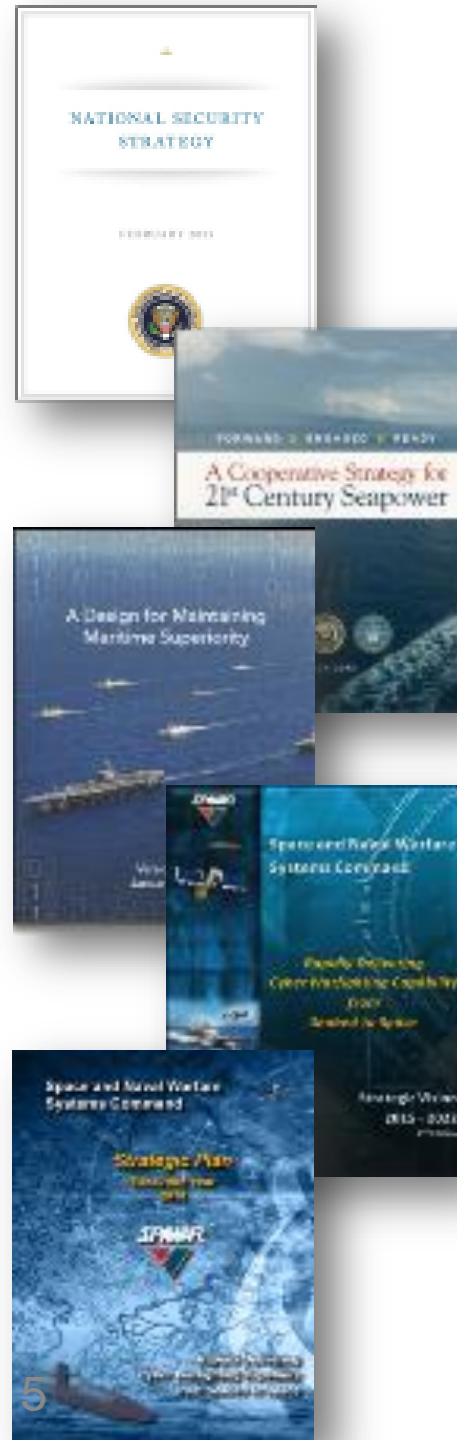
Relevant: We will assess our progress and adjust as required in order to provide secure, affordable and unparalleled cyber capabilities in and through a dynamic cyber operational environment.

Resilient: We build tough systems that deliver interoperable, intuitive and reliable capabilities by establishing and adhering to effective cyber architectures.

Responsive: We take the initiative and remain agile. We are accountable to solve tough problems and deliver innovative solutions that enable decisive operational advantage.

Targeted End States

- Accelerate and **streamline delivery of new capability** and advanced technology to the Fleet to maintain US 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.





Accelerate and Streamline Delivery - 2015

- ✓ 25 DDG availabilities (FY18-FY22) aligned to a synchronized C4I fielding plan
- ✓ Established a comprehensive and executable plan to enhance ship installation performance
- ✓ MUOS 3 and 4 launch & operational orbit
- ✓ CANES aircraft carrier install time down from 14 to 7 months
- ✓ Established a cross-enterprise working group to develop requirements to accelerate advanced technology delivery





Enabling Modern IT Service Delivery - 2015

- ✓ Navy's Cloud Access Point IOC
- ✓ PEO EIS Innovation Cell
- ✓ 17,000+ iPhones fielded
- ✓ Two commander's forums on sustainment reviews
- ✓ Hyper Converged Infrastructure (HCI) pilots





Own Cyber Technical Leadership - 2015

- ✓ Cross-SYSCOM Technical Authority Board sign off on eight technical cybersecurity standards
- ✓ Cross-SYSCOM Technical Authority Board cyber risk assessment standard
- ✓ First multidiscipline CYBERSAFE pilot
- ✓ Cyber dashboards ship's force and TYCOM insight for 31 fleet units
- ✓ New Cybersecurity Inspection (CSI) 2.0 inspection criteria
- ✓ Led Navy-wide efforts and trained multiple organizations on VRAM
- ✓ Selection as the Nuclear Command, Control and Communications Chief Engineer
- ✓ Beginning implementation of Risk Management Framework (RMF)





Reduce the Cost of Operations - 2015

- ✓ Collection, development and increased use of HQ data
- ✓ Began migration to an enterprise Business Intelligence architecture
- ✓ \$12.4M / year cost avoidance by reducing FY17 NWCF composite rate
- ✓ Long-range contracting opportunities acquisition forecast
- ✓ Updated procurement schedule meetings policy
- ✓ Updated acquisition milestone scheduling templates and tools





Optimize Our Organization and Workforce

- ✓ SATCOM system ISEA consolidation from 5 to 1 unified capability-based ISEA
- ✓ Cyber training for non-cyber acquisition workforce
- ✓ Cyber Warrior training for new employee orientation
- ✓ Project management requirements for Installation Management Offices

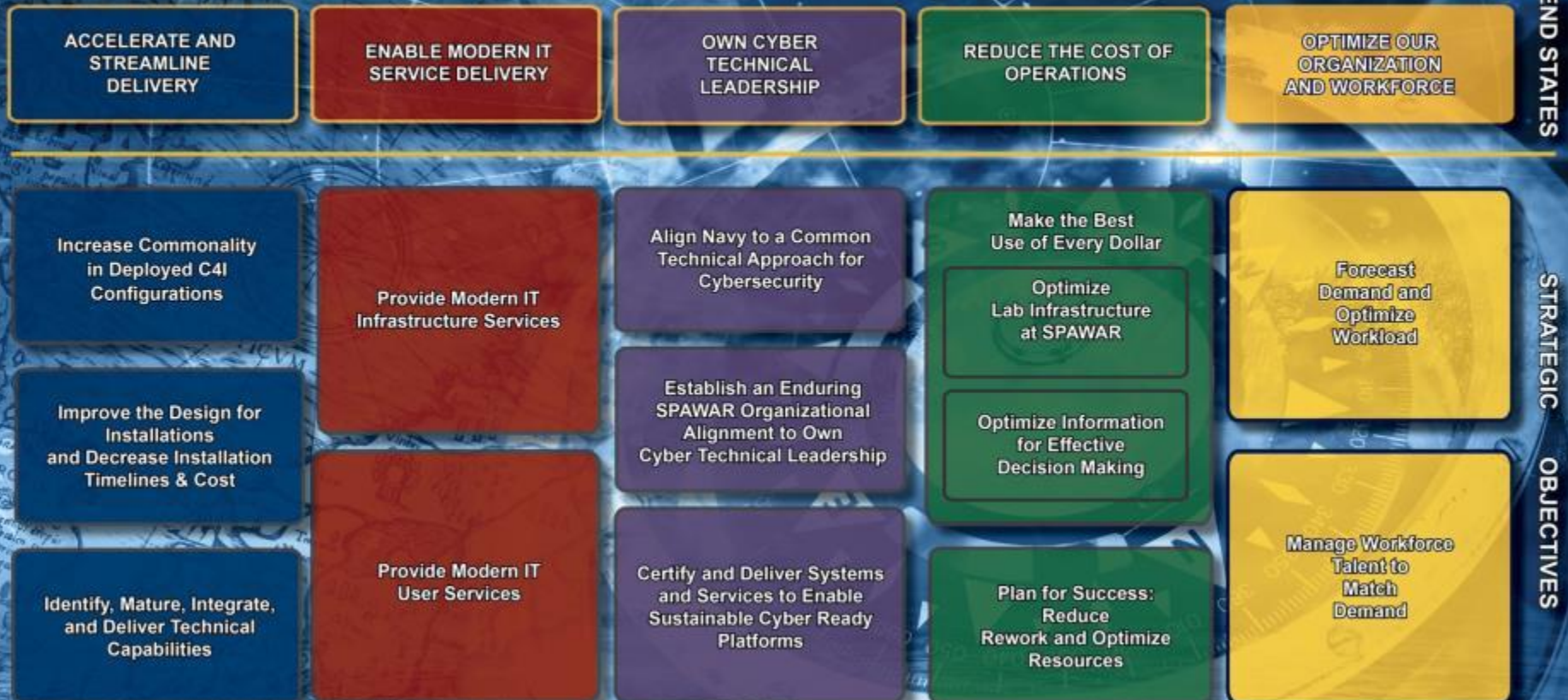


- ✓ HQ-wide iMentoring program
- ✓ Leadership development program
- ✓ Authority to award Enlisted Information Warfare qualifications
- ✓ Coherent SSC non-Navy work divestment plan

SPAWAR Strategic Plan

Execution Year 2016

VISION: Rapidly Delivering Cyber Warfighting Capabilities from Seabed to Space



PRINCIPLES:

Relevant

Resilient

Responsive

END STATES

STRATEGIC OBJECTIVES

The SPAWAR logo is located in the top left corner of the slide. It consists of the word "SPAWAR" in a bold, white, sans-serif font. Below the text is a stylized graphic of a triangle, split vertically into a red left half and a blue right half, with a yellow outline.

SPAWAR

The background of the slide is a vertical strip on the left side. It features a collage of images: a satellite in space at the top, a submarine underwater in the middle, and a naval ship on the surface at the bottom. The entire strip has a blue, digital, and grid-like texture.

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Questions & Answers