



SPAWAR



# 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



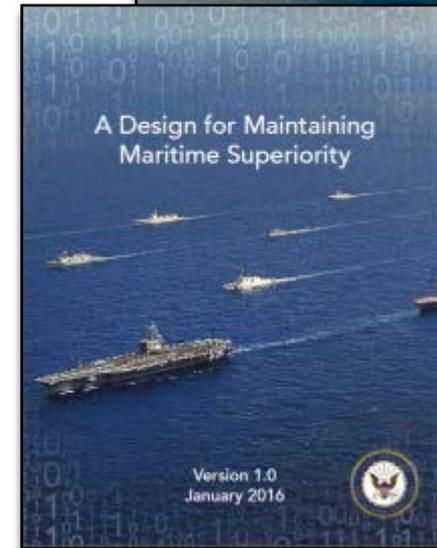
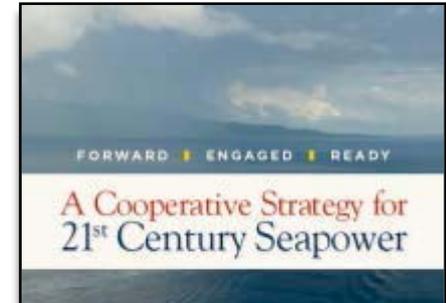
# A Design for Maintaining Maritime Superiority

## 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

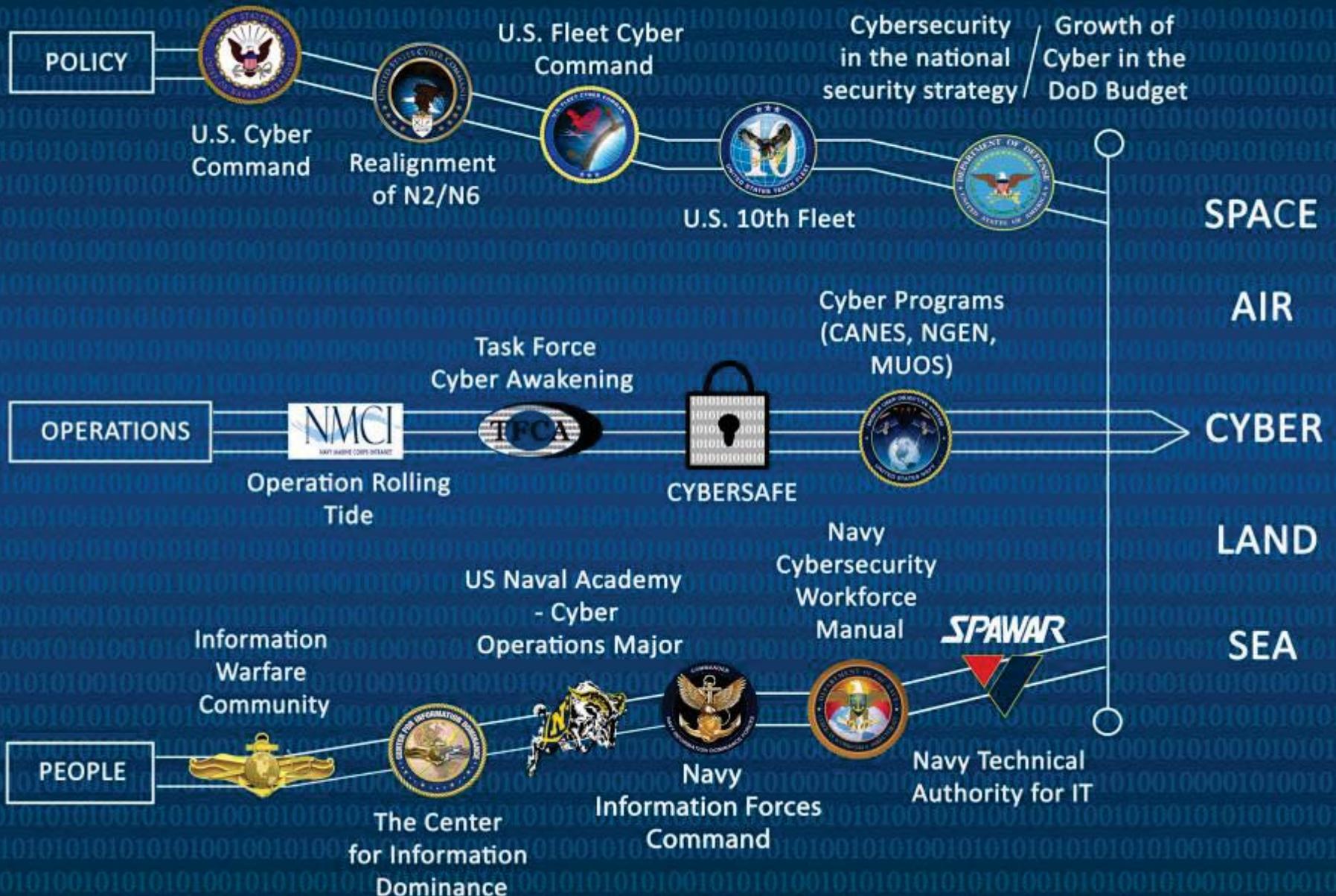
## Lines of Effort

- 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



## 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.



## 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.



# SEABED TO SPACE



# SPAWAR Strategic Vision 2015-2022

*Rapidly  
deliver cyber  
warfighting  
capability  
from seabed  
to space*

## Foundational Principles

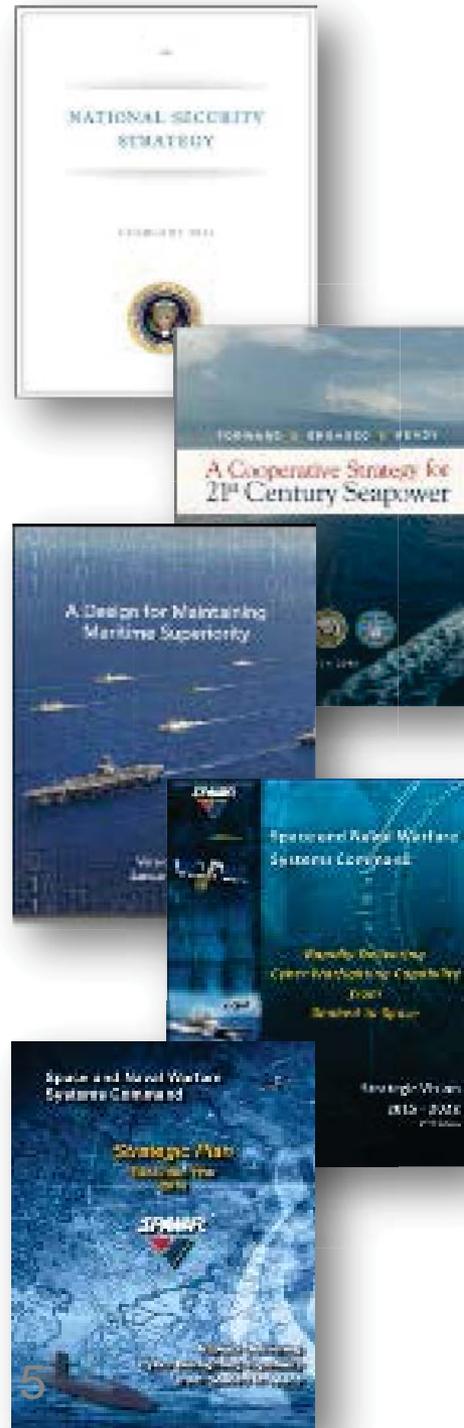
**Relevant:** We will assess our progress and adjust as required in order to provide secure, affordable and unparalleled cyber capabilities in and through a dynamic cyber operational environment.

**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

**SPAWAR**



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# Questions & Answers