Naval Information Warfare Systems Command

"Rapidly Delivering Cyber Warfighting Capability From Seabed To Space"

NAVAIR

NAVSEA
NAVAL SEA SYSTEMS COMMAND

NAVFAC

NAVSUP
Naval Supply Systems Command

NAVWAR

Naval Information Warfare Center
ATLANTIC

NAVWAR Space Field Activity

Naval Information Warfare Center
PACIFIC

FUNCTIONS
NC3-N Chief Engineer
Information Warfare Technical Authority
Cybersecurity Certification & Standards
System of System Test & Checkout
Operational Safety & Assurance Cert Authority
Afloat & Ashore Installation Services
Lifecycle Engineering & Sustainment
Mission & Acquisition Support to PEOs
Multi-Domain Research & Development

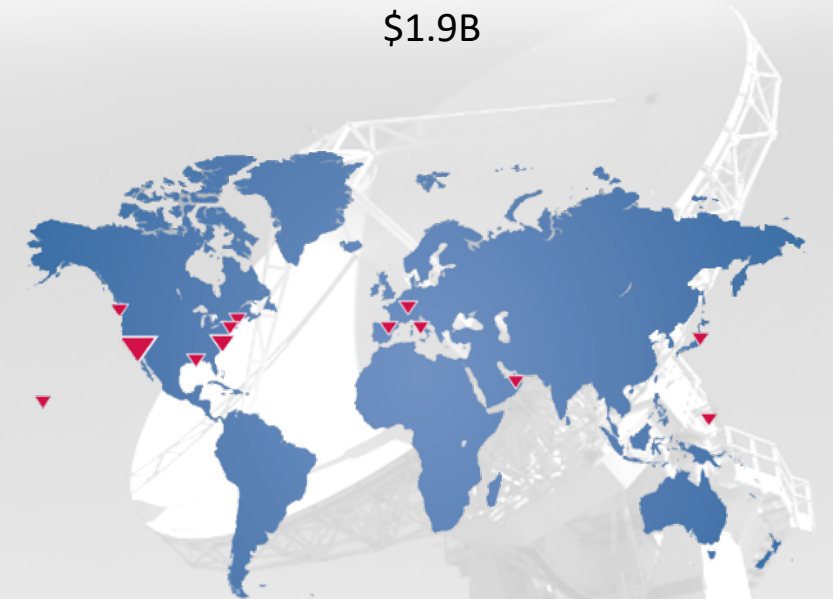## Network & Communications

Cyber Security

Warfare Systems

Business Systems

DON CIO

ASN RDA

ASN FM&C

PEO DIGITAL
PROGRAM EXECUTIVE OFFICE DIGITAL & ENTERPRISE SERVICES

PEO MLB
PROGRAM EXECUTIVE OFFICE MANPOWER, LOGISTICS & BUSINESS SOLUTIONS

FY 20 Execution
$9.4B
Contracts w/Industry
$7.1B (76%)
Small Business Contracts
$1.9B

11,000
Mil & Civ Personnel
Located w/the Fleet Worldwide

NAVWAR Strategic Vision
2018 - 2027

Mission Statement: To identify, develop, deliver, and sustain information warfare capabilities and services that enable naval, joint, coalition and other national missions operating in warfighting domains from seabed to space; and to perform such other functions and tasks as directed.

Meet Our Commitments	Be the Technical Expert	Be Trusted Partners	Develop Our People and Our Organization

Strategic Objectives

ACCELERATE AND STREAMLINE DELIVERY	DRIVE CYBER RESILIENCY	OPTIMIZE OUR ORGANIZATION, OPERATIONS AND WORKFORCE
Implement Information Warfare Platform	Design in Resilience and Interoperability	Deliver Effective and Efficient Services
Digitize Our Navy	Implement Cyber Standards Navywide	Develop and Strengthen Our Workforce
Rapidly Prototype and Transition	Enable Fleet Cyber Readiness	Make NAVWAR the Best Place to Work

Vision: Rapidly delivering cyber warfighting capability from seabed to space

Washington

Colorado   Nebraska

HQ California
NIWC Pacific

Louisiana

NSFA
Wash. D.C., Virginia
NIWC Atlantic
South Carolina
Florida

Hawaii
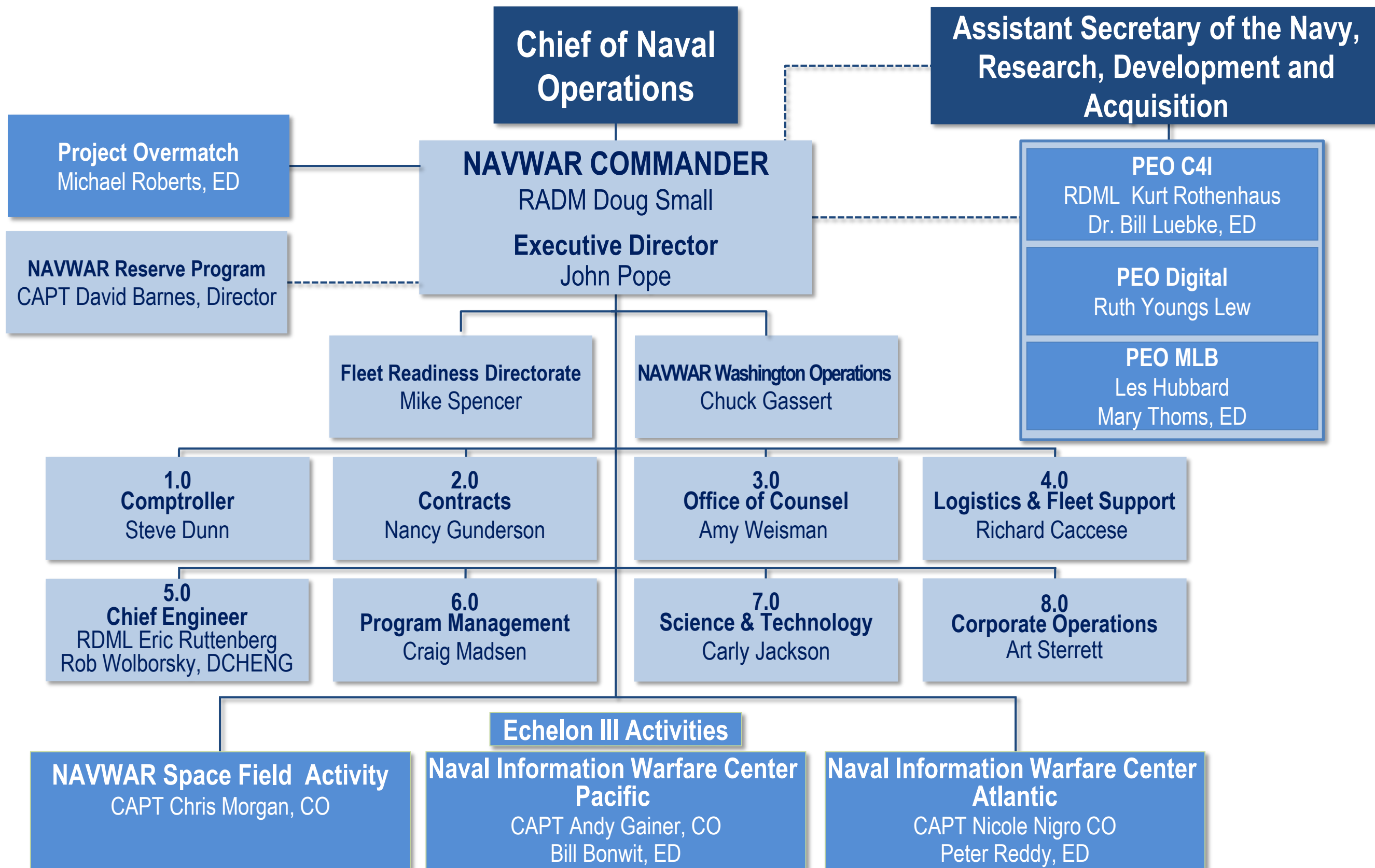
Germany

Spain   Italy

Bahrain

Djibouti

Japan

Guam

Partial display of NAVWAR
personnel assignment locations

Antarctica

More than 11,000 employees deployed globally and near fleet concentration areas

Organization

Chief of Naval Operations

Assistant Secretary of the Navy, Research, Development and Acquisition

Project Overmatch
Michael Roberts, ED

NAVWAR COMMANDER
RADM Doug Small

Executive Director
John Pope

NAVWAR Reserve Program
CAPT David Barnes, Director

PEO C4I
RDML Kurt Rothenhaus
Dr. Bill Luebke, ED

PEO Digital
Ruth Youngs Lew

PEO MLB
Les Hubbard
Mary Thoms, ED

Fleet Readiness Directorate
Mike Spencer

NAVWAR Washington Operations
Chuck Gassert

1.0 Comptroller
Steve Dunn

2.0 Contracts
Nancy Gunderson

3.0 Office of Counsel
Amy Weisman

4.0 Logistics & Fleet Support
Richard Caccese

5.0 Chief Engineer
RDML Eric Ruttenberg
Rob Wolborsky, DCHENG

6.0 Program Management
Craig Madsen

7.0 Science & Technology
Carly Jackson

8.0 Corporate Operations
Art Sterrett

Echelon III Activities

NAVWAR Space Field Activity
CAPT Chris Morgan, CO

Naval Information Warfare Center Pacific
CAPT Andy Gainer, CO
Bill Bonwit, ED

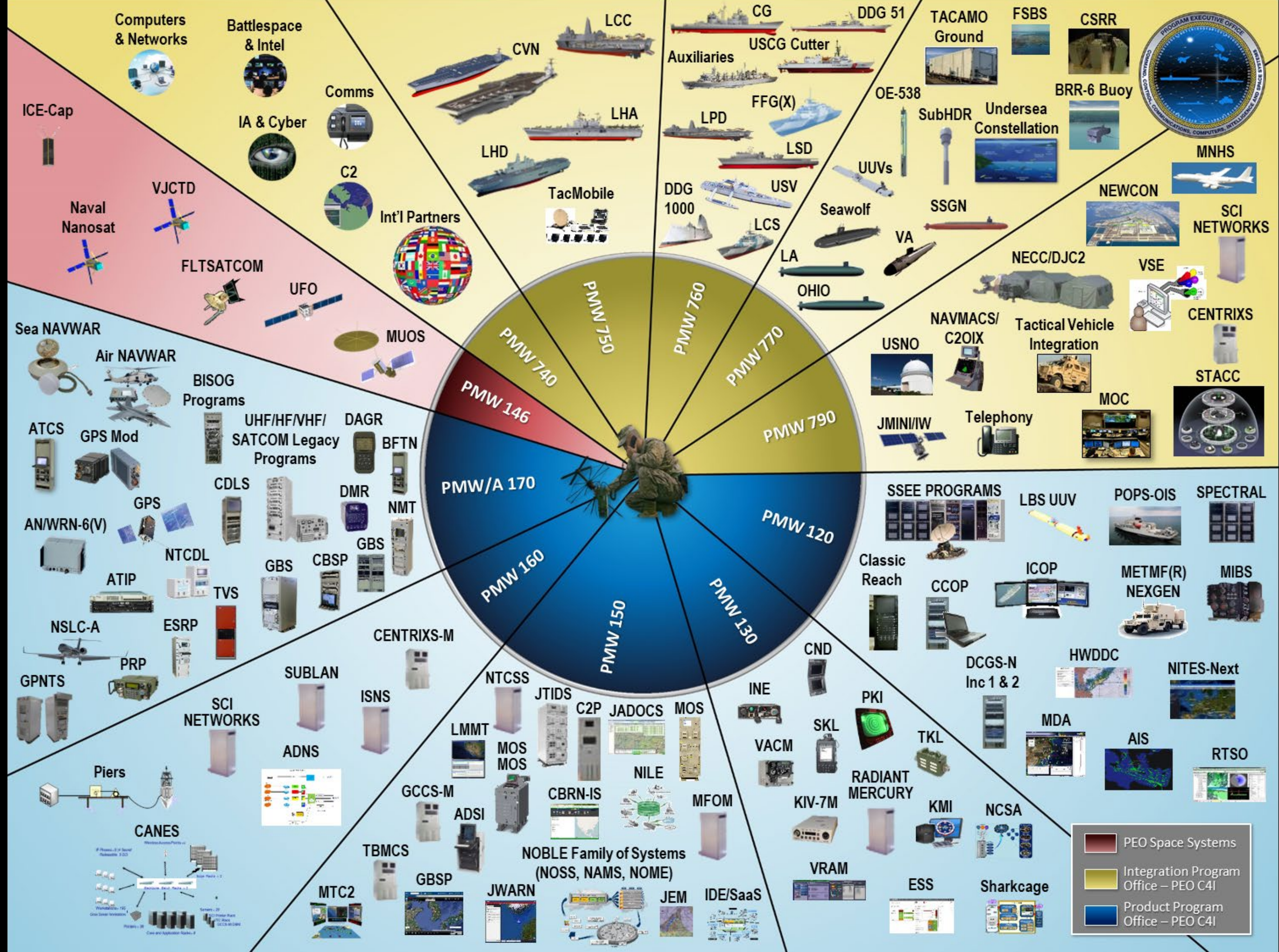**Naval Information Warfare Center Atlantic**
CAPT Nicole Nigro CO
Peter Reddy, ED

▼ **PMW 205 - Naval Enterprise Networks**

▼ **PMW 260 - Special Networks And Intelligence Mission Applications**

▼ **PMW 270 - Naval Commercial Cloud Services**

▼ **PMW 280 - Special Access Program Networks**

▼ **PMW 290 - Enterprise IT Strategic Sourcing**

▼ **PfM MCSES - Portfolio Manager Marine Corps Supporting Establishment Systems**

    – **PMM 170 - Networks and Infrastructures**

    – **PMM 172 - Customer Support and Strategic Sourcing**

PEO C4I and PEO Space Systems Program Portfolio Wheel

Outer ring labels (clockwise from top):

LCC, CVN, CG, DDG 51, TACAMO Ground, FSBS, CSRR, Computers & Networks, Battlespace & Intel, Auxiliaries, USCG Cutter, BRR-6 Buoy, ICE-Cap, Comms, FFG(X), OE-538, SubHDR, Undersea Constellation, MNHS, IA & Cyber, LHA, LPD, LSD, Naval Nanosat, VJCTD, C2, Int'l Partners, LHD, DDG 1000, USV, UUVs, Seawolf, SSGN, NEWCON, SCI NETWORKS, FLTSATCOM, TacMobile, LCS, LA, VA, NECC/DJC2, VSE, UFO, OHIO, CENTRIXS, MUOS, NAVMACS/C2OIX, Tactical Vehicle Integration, STACC, Sea NAVWAR, Air NAVWAR, BISOG Programs, USNO, JMINI/IW, Telephony, MOC, ATCS, GPS Mod, UHF/HF/VHF/SATCOM Legacy Programs, DAGR, BFTN, SSEE PROGRAMS, LBS UUV, POPS-OIS, SPECTRAL, GPS, CDLS, DMR, NMT, Classic Reach, ICOP, METMF(R) NEXGEN, MIBS, AN/WRN-6(V), NTCDL, GBS, CBSP, GBS, CCOP, DCGS-N Inc 1 & 2, HWDDC, NITES-Next, ATIP, TVS, CND, MDA, AIS, NSLC-A, ESRP, CENTRIXS-M, NTCSS, JTIDS, INE, PKI, RTSO, GPNTS, PRP, SUBLAN, ISNS, C2P, JADOCS, MOS, SKL, TKL, Piers, SCI NETWORKS, ADNS, LMMT, MOS MOS, NILE, VACM, RADIANT MERCURY, KMI, NCSA, CANES, GCCS-M, ADSI, CBRN-IS, MFOM, KIV-7M, TBMCS, GBSP, JWARN, JEM, IDE/SaaS, VRAM, ESS, Sharkcage, MTC2, NOBLE Family of Systems (NOSS, NAMS, NOME)

Inner wheel segments:
PMW 740, PMW 750, PMW 760, PMW 770, PMW 146, PMW 790, PMW/A 170, PMW 120, PMW 160, PMW 150, PMW 130

Legend:
- PEO Space Systems
- Integration Program Office – PEO C4I
- Product Program Office – PEO C4I

▼ **MyNavy HR IT Solutions**

▼ **Navy ERP - Financials Services**

▼ **Logistics IT Services**

▼ **Logistics Integration Information Solutions Services**

▼ **Applications Services**

▼ **Data Transformation Services**

▼ **Enterprise Systems and Services & Innovation Support Services**

▼ **Systems realigned from PMW 150**

    – **Naval Operations Business Logistics Enterprise (NOBLE) program**

    – **Select in-service systems from Naval Tactical Command Support System (NTCSS)**

    – **Select in-service systems from Maintenance Figure of Merit (MFOM)**

Naval Information Warfare Center Atlantic

Key Capability Areas

- Surface Ship and Submarine C4I test and integration facilities

- NAVWAR National Security Operations Center / Cyber Forensics, Vulnerability Assessment Team

- Cyber Forensics Criminal Investigations Laboratory

- Cyber Computer Network Defense Laboratory

- DoD Component Enterprise Data Center

- Commercial and DoD Satellite Comms production and installation

- Vehicle C4I systems integration, testing and production

- Electromagnetic Interference and Electromagnetic Compatibility testing

- Global Distance Support Help Desk

- Air Traffic Control systems development and installation

- Marine Corps Installations Command Electronic Security Systems

Workforce

Profile
5,047 Civilians
120 Military

Top Occupations
- IT Specialist
- Electronics Engineer
- Computer Scientist
- Electronics Tech
- Management & Program Analyst

Education
58 PhD
1,332 Masters

Total Obligation Authority (FY20)
$3.76 billion

Stuttgart
Naples
National Capital Region
Hampton Roads
Charleston (SSC HQ)
Rota
Tampa
Bahrain
New Orleans
Djibouti
Antarctic

Mission: Serve our nation by delivering information warfare solutions that protect national security.
Vision: Win the Information War.

Naval Information Warfare Center Pacific

Key Capability Areas

- Full Lifecycle Engineering for Information Warfare Capabilities

- Cloud Based Digital Development Environment, DevSecOps, Cloud-Enabled Digital Twins (aka "Digital Abe", "Digital TR"), Agile Software Development

- Robust Research, Development, and Technology Transition

- C4ISR for Unmanned Systems (UUV, USV, UAV)

- Machine Learning, AI, Data Science, Decision Optimization

- Applied Electromagnetics, Photonics, Atmospheric Propagation

- Offensive and Defensive Cyber Capability Development

- Rapid Prototyping and delivery

- Positioning, Navigation, and Timing Laboratory and Test Facilities

- Unique Testing Facilities - San Clemente Island, BMD/L16 Combined Test Bed, Live Virtual and Constructive Environment
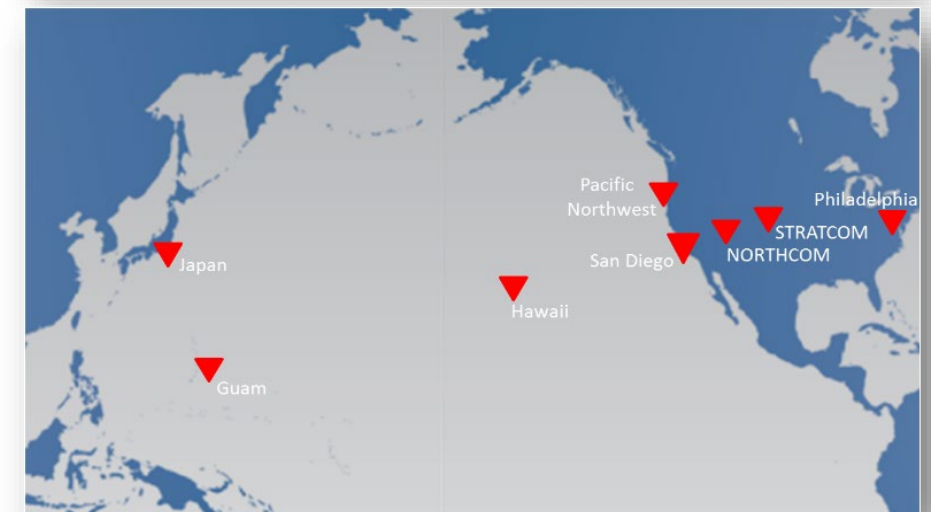
Workforce

Profile
5,258 Civilians
222 Military

Top Occupations
- Scientists & Engineers
- Tech Specialists
- S&E Technician
- Admin/Professionals
- General Support

Education
206 PhD
1,523 Masters

Total Obligation Authority (FY20)
$3.3 billion

Mission: Conduct information warfare research, development, prototyping, engineering, test and evaluation, installation, and sustainment of integrated command, control, communications, computers, intelligence, surveillance and reconnaissance, cyber, and space systems across all warfighting domains.

NAVWAR Space Field Activity

Coordinate naval space and warfare systems activities within the National Reconnaissance Office (NRO)

MISSION:

To lead U.S. Navy's participation in the NRO:

- Provide naval warfare and acquisition expertise to national reconnaissance programs
- Coordinate naval space research, development, and acquisition activities with national reconnaissance programs
- Provide and coordinate training and tools to enable the fleet to use national space capabilities
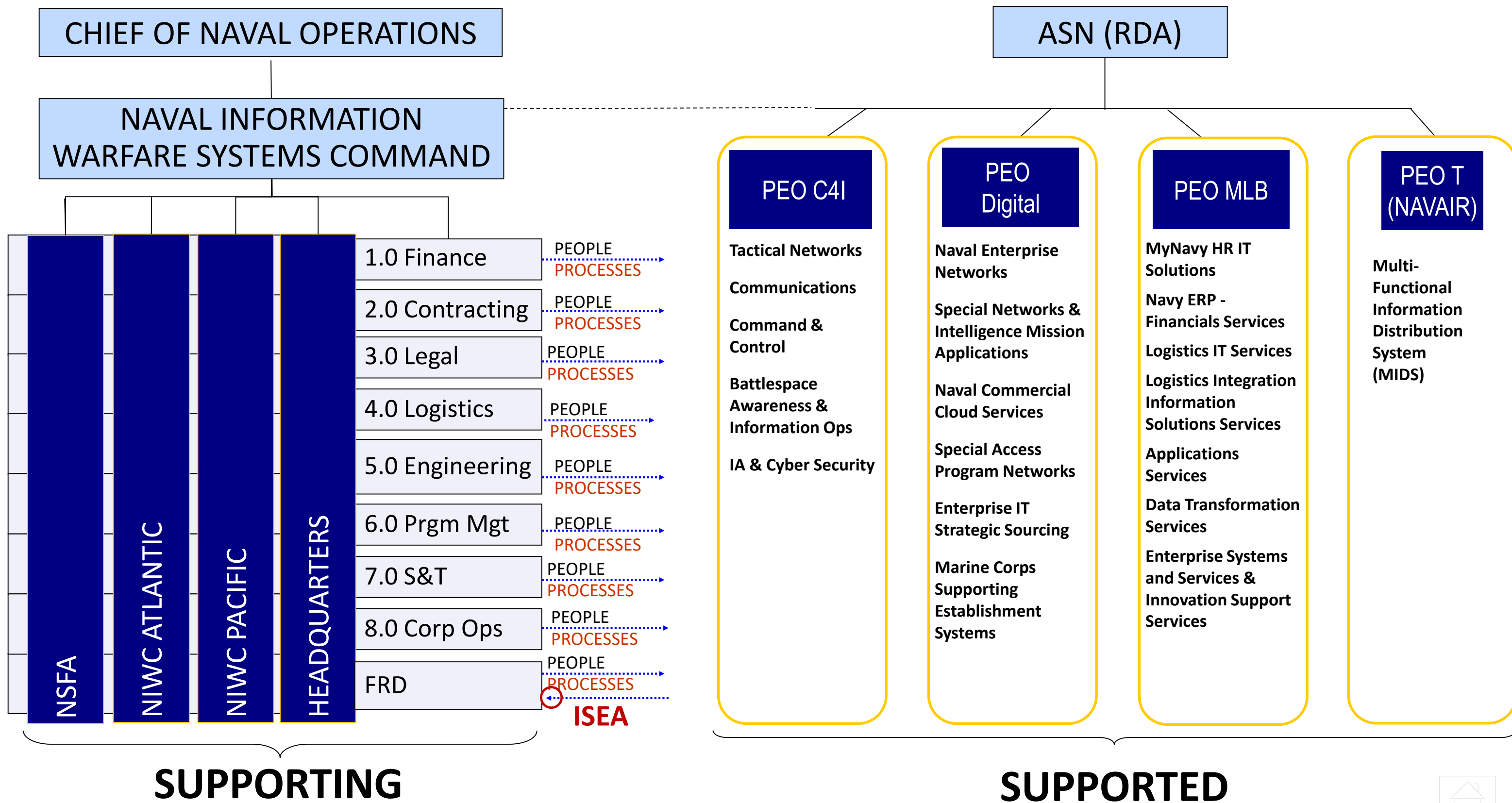
VISION:

Support naval warfighters, through the operationalization of NRO overhead assets, to be ready to conduct prompt and sustained combat operations at sea, while protecting America and preserving strategic influence in key regions of the world.
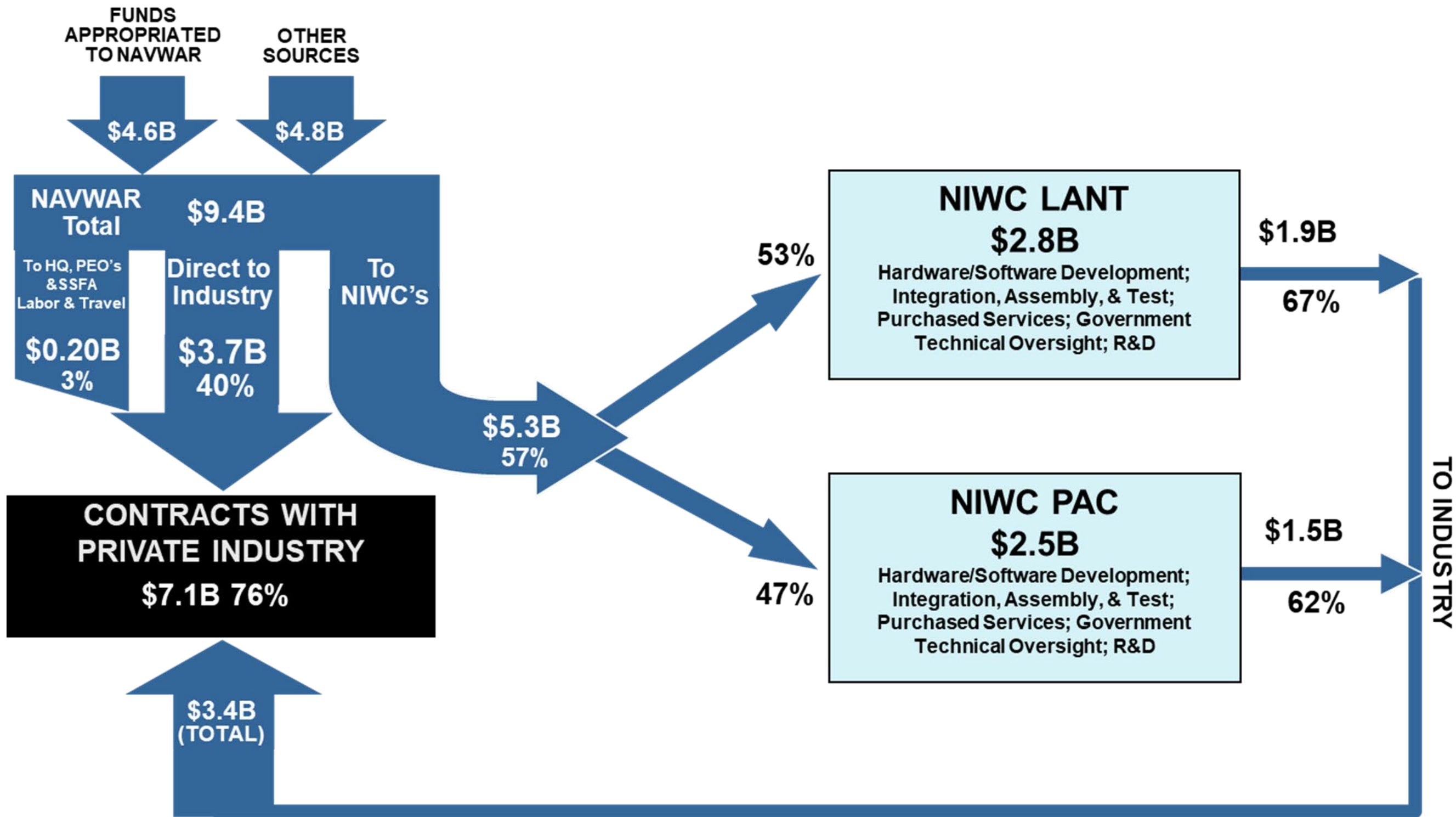
Chantilly, Virginia

Warfighter First - Do the Right Thing - Develop our People

Supporting & Supported Command Structure

NAVWAR

CHIEF OF NAVAL OPERATIONS

ASN (RDA)

NAVAL INFORMATION WARFARE SYSTEMS COMMAND

NSFA | NIWC ATLANTIC | NIWC PACIFIC | HEADQUARTERS

1.0 Finance	PEOPLE → / PROCESSES →
2.0 Contracting	PEOPLE → / PROCESSES →
3.0 Legal	PEOPLE → / PROCESSES →
4.0 Logistics	PEOPLE → / PROCESSES →
5.0 Engineering	PEOPLE → / PROCESSES →
6.0 Prgm Mgt	PEOPLE → / PROCESSES →
7.0 S&T	PEOPLE → / PROCESSES →
8.0 Corp Ops	PEOPLE → / PROCESSES →
FRD	PEOPLE → / PROCESSES ← →

ISEA

SUPPORTING

PEO C4I

Tactical Networks

Communications

Command & Control

Battlespace Awareness & Information Ops

IA & Cyber Security

PEO Digital

Naval Enterprise Networks

Special Networks & Intelligence Mission Applications

Naval Commercial Cloud Services

Special Access Program Networks

Enterprise IT Strategic Sourcing

Marine Corps Supporting Establishment Systems

PEO MLB

MyNavy HR IT Solutions

Navy ERP - Financials Services

Logistics IT Services

Logistics Integration Information Solutions Services

Applications Services

Data Transformation Services

Enterprise Systems and Services & Innovation Support Services

PEO T (NAVAIR)

Multi-Functional Information Distribution System (MIDS)

SUPPORTED

NAVWAR Macro Funds Flow – FY20

FUNDS APPROPRIATED TO NAVWAR — $4.6B

OTHER SOURCES — $4.8B

NAVWAR Total $9.4B

To HQ, PEO's & SSFA Labor & Travel — $0.20B 3%

Direct to Industry — $3.7B 40%

To NIWC's — $5.3B 57%

CONTRACTS WITH PRIVATE INDUSTRY $7.1B 76%

$3.4B (TOTAL)

53% → **NIWC LANT $2.8B**
Hardware/Software Development; Integration, Assembly, & Test; Purchased Services; Government Technical Oversight; R&D
$1.9B — 67%

47% → **NIWC PAC $2.5B**
Hardware/Software Development; Integration, Assembly, & Test; Purchased Services; Government Technical Oversight; R&D
$1.5B — 62%

TO INDUSTRY

Source: NAVWAR HQ 1.2 Business Analytics Office
NOTES:
- NIWC LANT includes Norfolk and NOLA; NIWC PAC includes PAC General Fund (formerly NCTSI)
- Delta between NIWC Inflow and Outflow to industry is primarily associated w/ NWCF Labor Costs
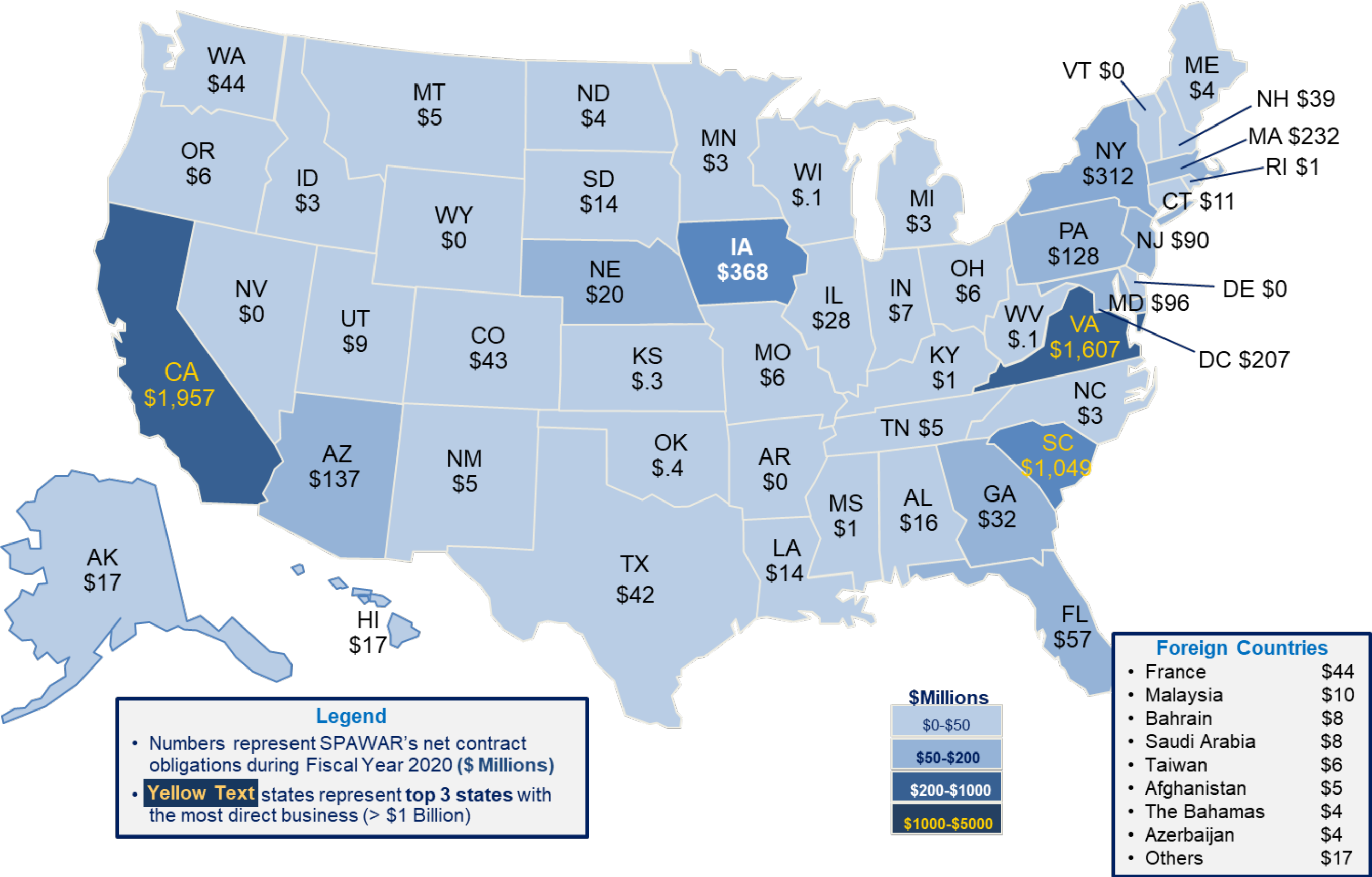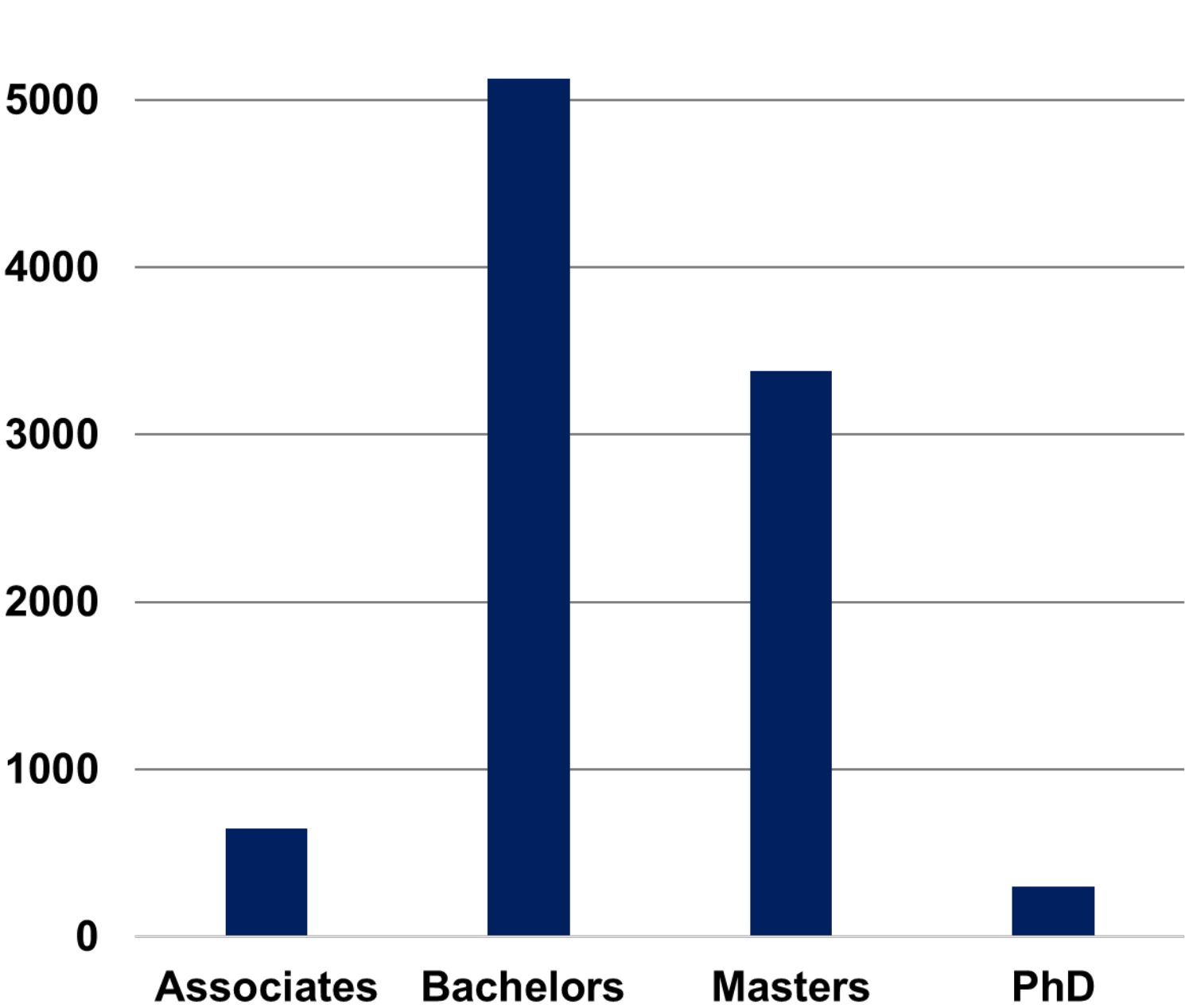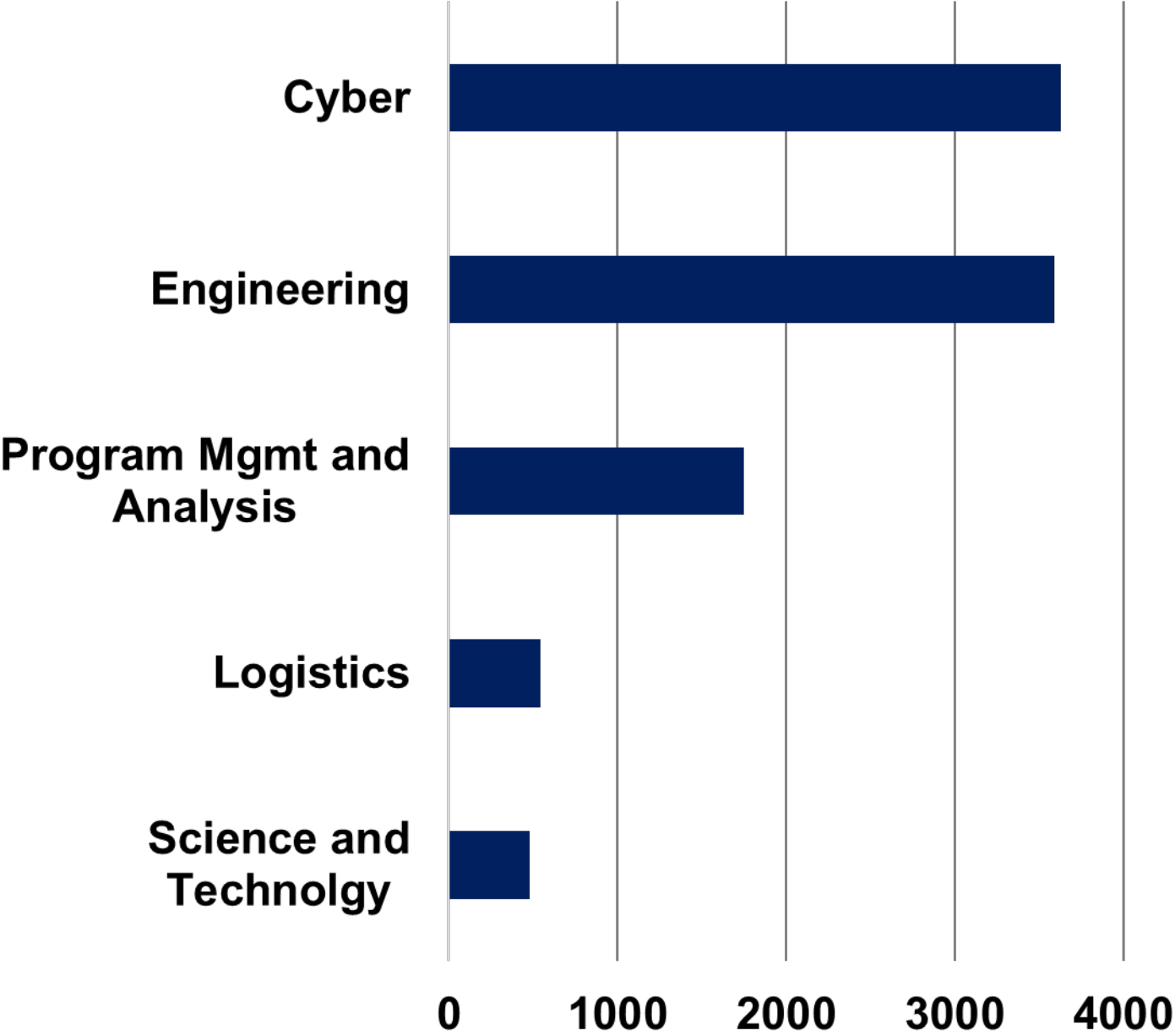
NAVWAR CONTRACTS BY STATE
FY 20

NAVWAR

State	Amount
WA	$44
MT	$5
ND	$4
MN	$3
VT	$0
ME	$4
NH	$39
OR	$6
ID	$3
SD	$14
WI	$.1
MI	$3
NY	$312
MA	$232
RI	$1
WY	$0
NE	$20
IA	$368
PA	$128
CT	$11
NJ	$90
NV	$0
UT	$9
IL	$28
IN	$7
OH	$6
DE	$0
CA	$1,957
CO	$43
KS	$.3
MO	$6
WV	$.1
VA	$1,607
MD	$96
DC	$207
AZ	$137
NM	$5
OK	$.4
AR	$0
KY	$1
TN	$5
NC	$3
SC	$1,049
AK	$17
HI	$17
TX	$42
LA	$14
MS	$1
AL	$16
GA	$32
FL	$57

Legend
- Numbers represent SPAWAR's net contract obligations during Fiscal Year 2020 **($ Millions)**
- **Yellow Text** states represent **top 3 states** with the most direct business (> $1 Billion)

$Millions
- $0-$50
- $50-$200
- $200-$1000
- $1000-$5000

Foreign Countries
- France — $44
- Malaysia — $10
- Bahrain — $8
- Saudi Arabia — $8
- Taiwan — $6
- Afghanistan — $5
- The Bahamas — $4
- Azerbaijan — $4
- Others — $17

Our People

Highly Educated

Top Five Functional Communities

Fleet Connection: 6% Active Duty, 40% Military Veterans

National Defense Strategy

Summary of the
2 0 1 8
National Defense Strategy
of
The United States of America

Sharpening the American Military's Competitive Edge
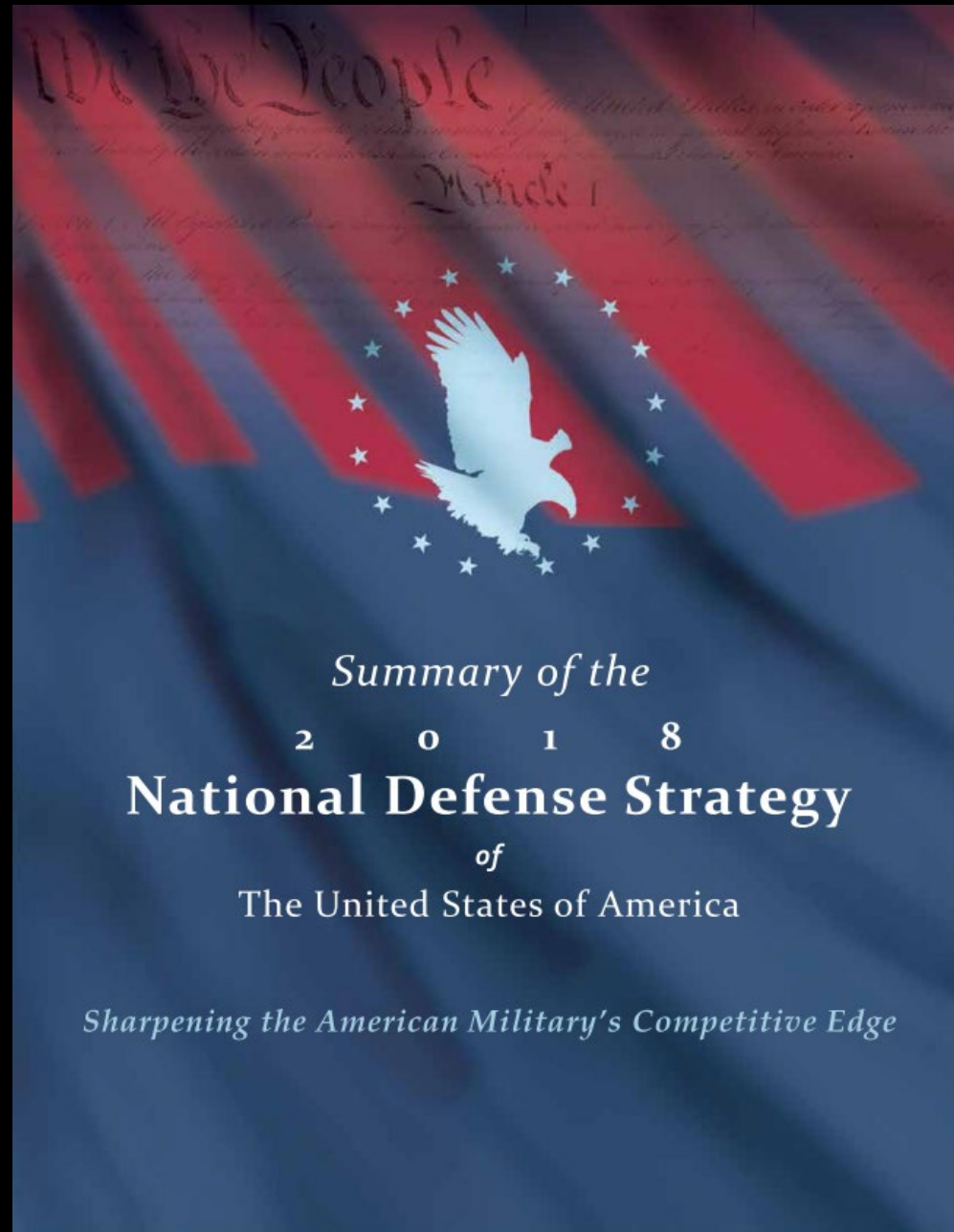
- **Build a More Lethal Force**

- **Strengthen Alliances and Attract New Partners**

- **Reform the Department for Greater Performance and Affordability**

"America's military has no preordained right to victory on the battlefield."
- National Defense Strategy

Supporting the National Defense Strategy
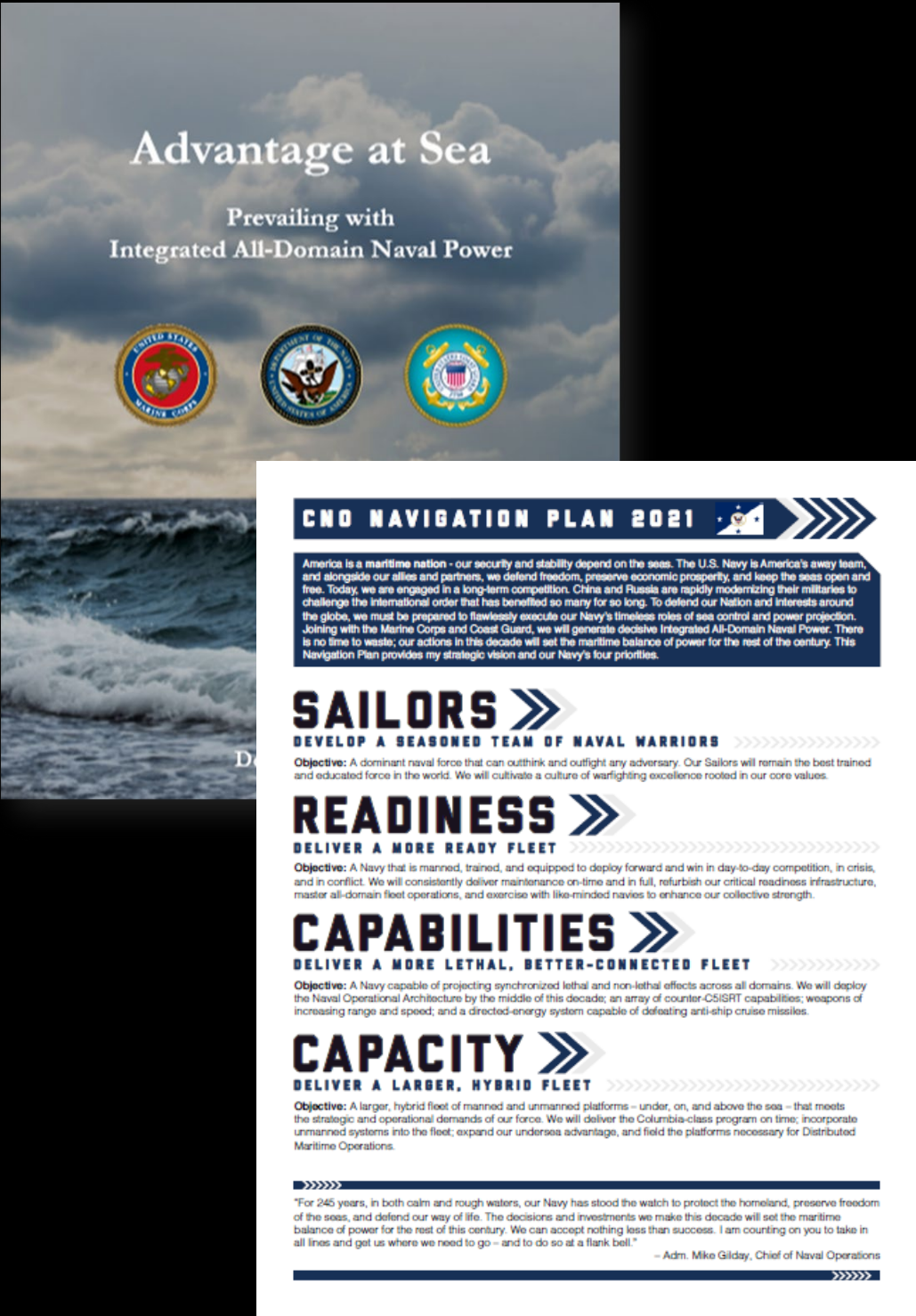
"To defend our Nation and interests around the globe, we must be prepared to flawlessly execute our Navy's timeless roles of sea control and power projection. Joining with the Marine Corps and Coast Guard, we will generate decisive Integrated All-Domain Naval Power."