



# Welcome

to the Tidewater Association of Service Contractors  
**Naval Information Warfare Center (NIWC)**  
**Atlantic Virtual Industry Day**

24 August 2020



Welcome to the Tidewater Association of Service Contractors  
**Naval Information Warfare Center (NIWC) Atlantic Virtual Industry Day**

**Agenda:**

- 1100 - 1125 - Keynote Address, Mr. Peter Reddy, Executive Director
- 1125 - 1130 - TASC Overview
- 1130 - 1230 - Fleet C4I and Readiness Department
- 1230 - 1300 - Contract Operations & Contract Forecast

**Sponsors:**



Naval Information  
Warfare Center



# Naval Information Warfare Center Atlantic

Tidewater Association of Service Contractors  
**Naval Information Warfare Center  
(NIWC) Atlantic Virtual Industry Day**

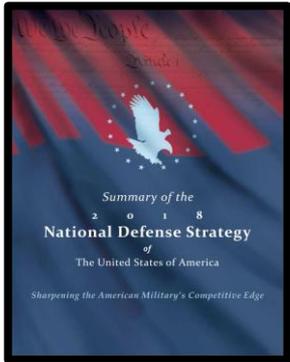
24 August 2020

**Mr. Peter Reddy, SES**  
Executive Director  
NIWC Atlantic

*NIWC Atlantic is part of the Naval Research & Development Establishment (NR&DE)*

Statement A: Approved for Public Release. Distribution is unlimited (19 August 2020)

# Optimizing Support to the Warfighter



## National Defense Strategy

- Build a More Lethal Force
- Strengthen Alliances and Attract New Partners
- Reform the Dept. for Greater Performance and Affordability

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



## CNO FRAGO Supporting the NDS

- Mission One for every Sailor – uniformed and civilian, active and reserve – is the operational readiness of today's Navy.

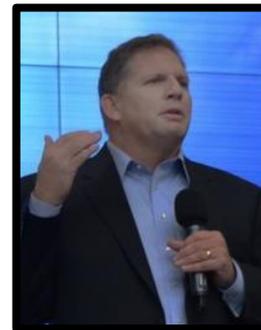
We rely on industry to help the Navy be ready to fight today and develop the capabilities for tomorrow's high-end fight



## 38th Commandant's Planning Guidance

- Force Design
- Warfighting
- Education & Training
- Core Values
- Command & Leadership

As good as we are today, we will need to be even better tomorrow



James F. Geurts, ASN (RDA)

## Accelerated Acquisition

“Every person matters, every day matters and every dollar matters.”

Build our Workforce to Compete and Win

Deliver Lethal Capacity - Increase Agility - Drive Affordability

# Commitment to Mission

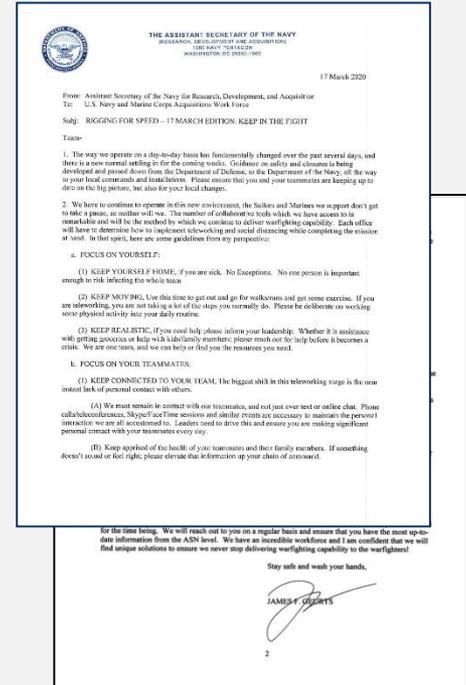
- ▼ Mandatory maximum telework
- ▼ ED approval of mission essential travel and military leave
- ▼ Shift work for on-site personnel to maximize social distancing
- ▼ Mask wear guidance when unable to maintain social distancing
- ▼ Maximize engagement with industry to:
  - Provide specific support to national COVID-19 response as requested/coordinated
  - Maintain NIWC Atlantic mission essential activity in support of sponsors and operational forces
- ▼ Planning for a “phased return-to-worksites plan” and greater use of telework and collaboration as the new normal

# ASN RD&A Rigging for Speed – 17 March Edition

## Keep in the Fight

- ▼ Focus on yourself
  - Keep yourself home
  - Keep moving
  - Keep realistic
- ▼ Focus on your teammates
  - Keep connected to your team
  - Keep leading
  - Keep improving
- ▼ Focus on mission
  - Keep engaged
  - Keep compliant
  - Keep connected to industry
  - Keep in touch

None of us know exactly how long this is going to last, but we need to be prepared to operate like this for the time being. ... I am confident that we will find unique solutions to ensure we never stop delivering warfighting capability to the warfighters!

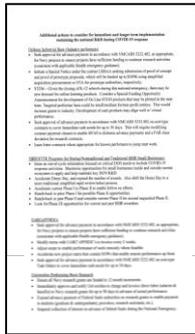


Stay safe and wash your hands,

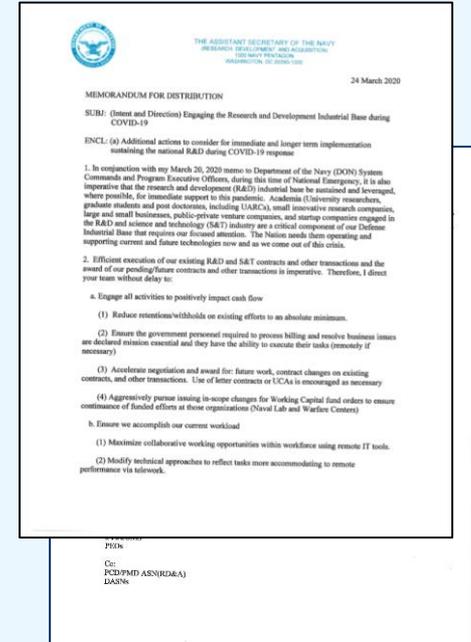
JAMES F. GEURTS

# ASN RD&A Rigging for Speed – 24 March Engaging the R&D Industrial Base during COVID-19

- ▼ It is imperative that the R&D industrial base be sustained and leveraged
  - Engage all activities to positively impact cash flow
  - Ensure we accomplish our current workload
  - Bring new partners into the enterprise
- ▼ Additional actions to consider for immediate and longer term implementation sustaining the national R&D during COVID-19
  - Defense Industry Base
  - SBIR/STTR Programs for Startup/Nontraditional and Traditional SBIR Small Businesses
  - UARCs/FFRDCs
  - Universities Performing Basic Research



This is a National Emergency, thus the Navy acquisition community will move out accordingly. Bold action is required as the DON's R&D leaders your implementation of this memo's measures is critical for maintaining the U.S.'s R&D capabilities.



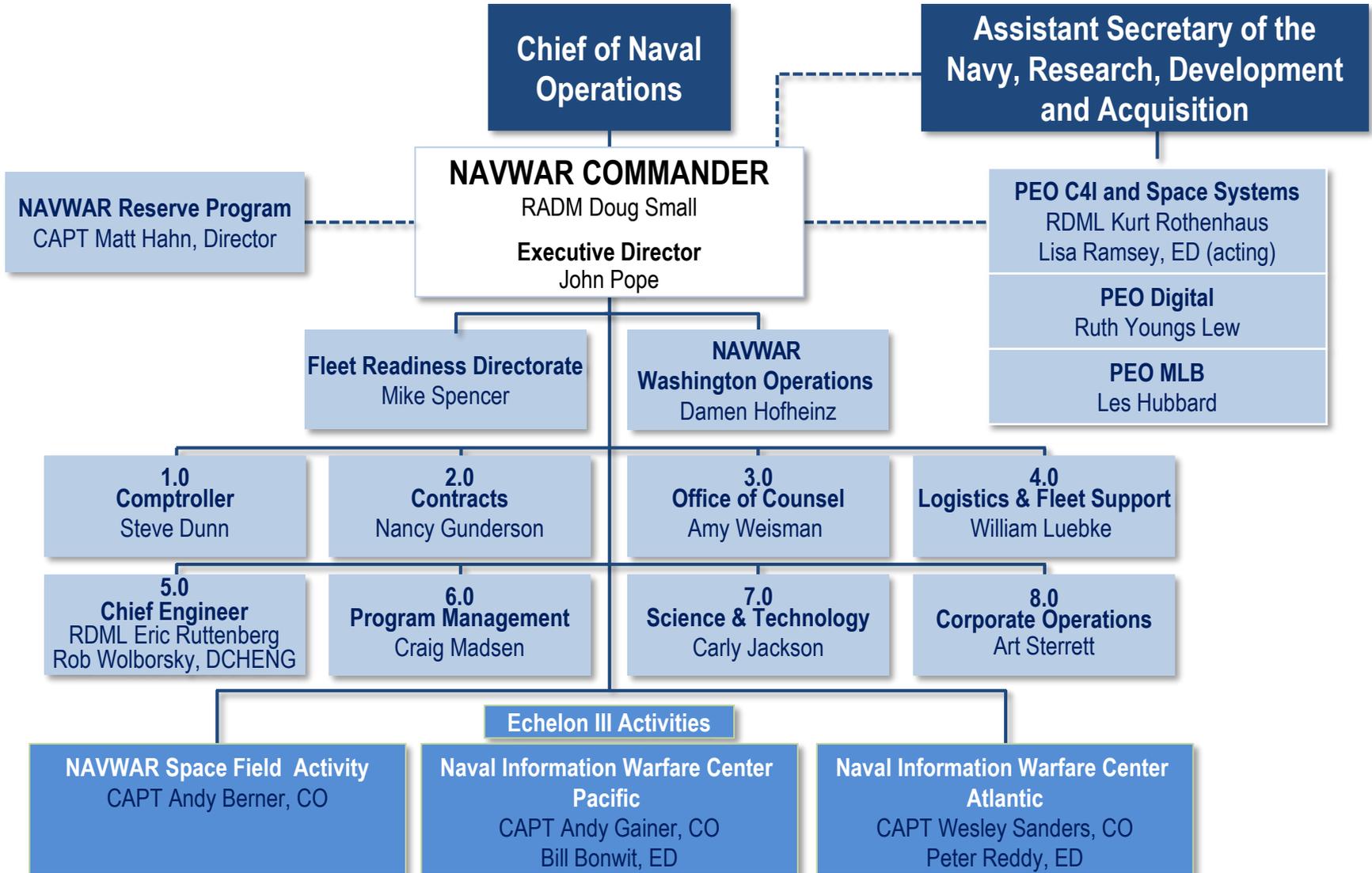
James F. Geurts

# NIWC Atlantic

**Mission: Serving our Nation by delivering information warfare solutions that protect national security.** Includes: communication systems (radios), networking systems (routers/switches), cyber operations (red team/forensics/network defense), intelligence, surveillance, reconnaissance (sensors/decision support applications), business systems (benefits/personnel) and information security.



# NAVWAR Organization



# Program Executive Offices



## ▼ PEO Digital

- Naval Enterprise Networks
- Special Networks And Intelligence Mission Applications
- Navy Commercial Cloud Services
- Special Access Program Networks
- Enterprise Information Technology Strategic Sourcing



## ▼ PEO C4I and Space Systems

- Five program offices focused on capability development (100's)
- Five program offices focused on platform integration (700's)
- Command and control, intelligence sharing, terminals, etc (CANES, NMT, GCCS-M, DCGS-N, ...)
- Responsible for DoD's Narrowband SATCOM, Legacy Ultra High Frequency Follow-on Program
- Mobile User Objective System (MUOS)



## ▼ PEO MLB

- Navy Enterprise Business Solutions
- Logistics Integrated Information Solutions-Marine Corps
- Sea Warrior Program
- Enterprise Systems and Service
- Navy Maritime Maintenance Enterprise Solutions - Tech Refresh

# Strategically Located



July 2020 Gov't (Mil)  
CHS 3,377 (19)  
HR 919 (90)  
NCR 224 (0)  
NOLA 242 (7)  
Other 270 (4)  
42% prior military

## NIWC Atlantic

### FY19 Total Obligation Authority \$3.35B

- 46% supports 400+ Small Business firms
- 93% competition
- Primarily a Navy Working Capital Fund (NWCF) Organization. Relying on sales revenue rather than direct Congressional appropriations to finance its operations
- New Orders: 57% Naval; 37% Joint; 6% Non DOD
- Workforce (FTEs): 74% Naval; 23% Joint; 3% Non-DOD

## Technical Leadership

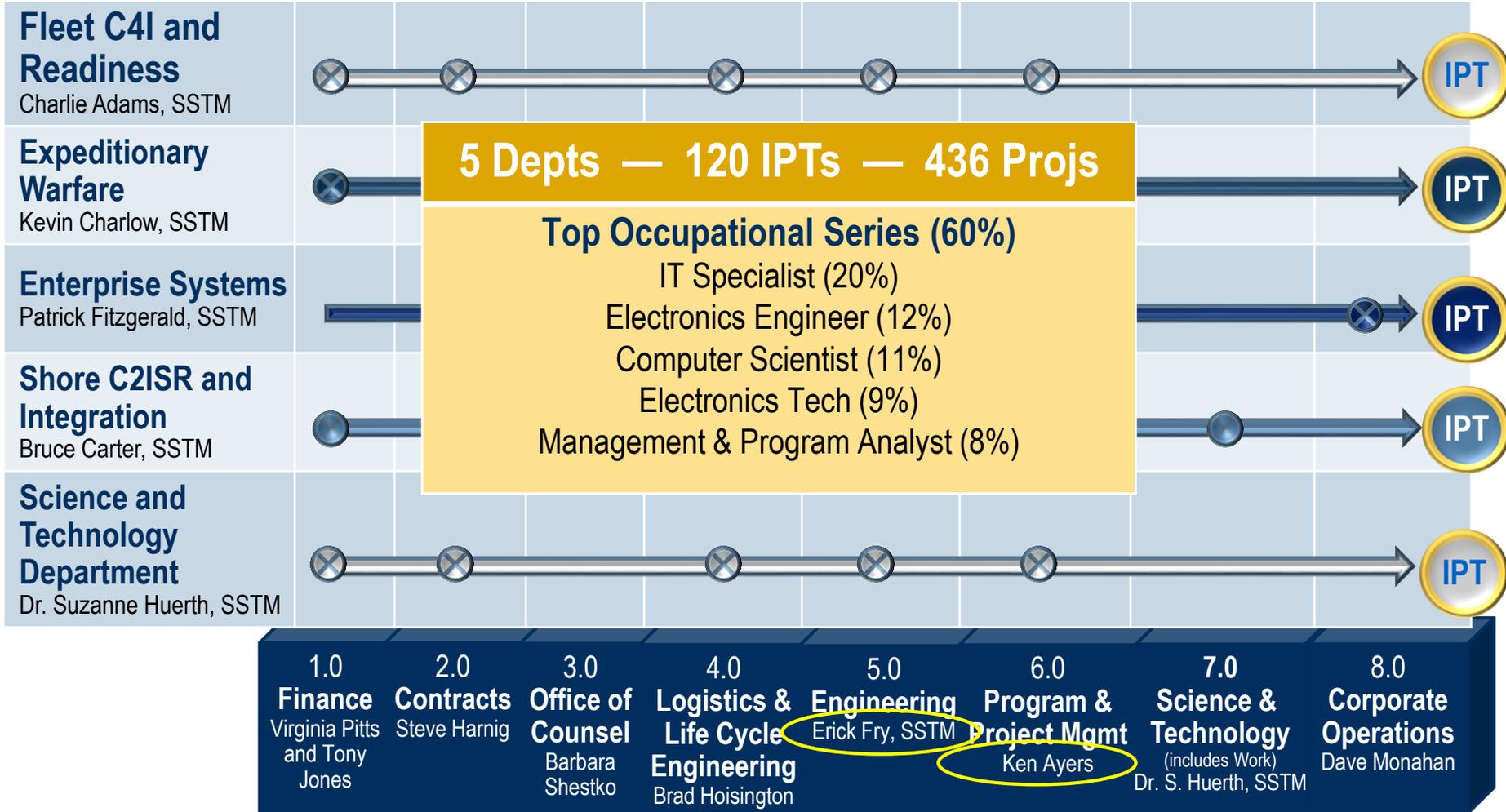
- 5,160 (5,040 Gov't, 120 Mil); ~9,000 from Industry
  - 53% in Science and Engr. Occupational Series
  - 11 Senior Science and Technical Managers (SSTMs)
  - 270 New Professionals
  - 165 Student Interns slated for 2020
  - 58 PhDs; 1,326 Masters; 2,209 Bachelors

Strategically located to support Naval forces

# Organized Around Teams

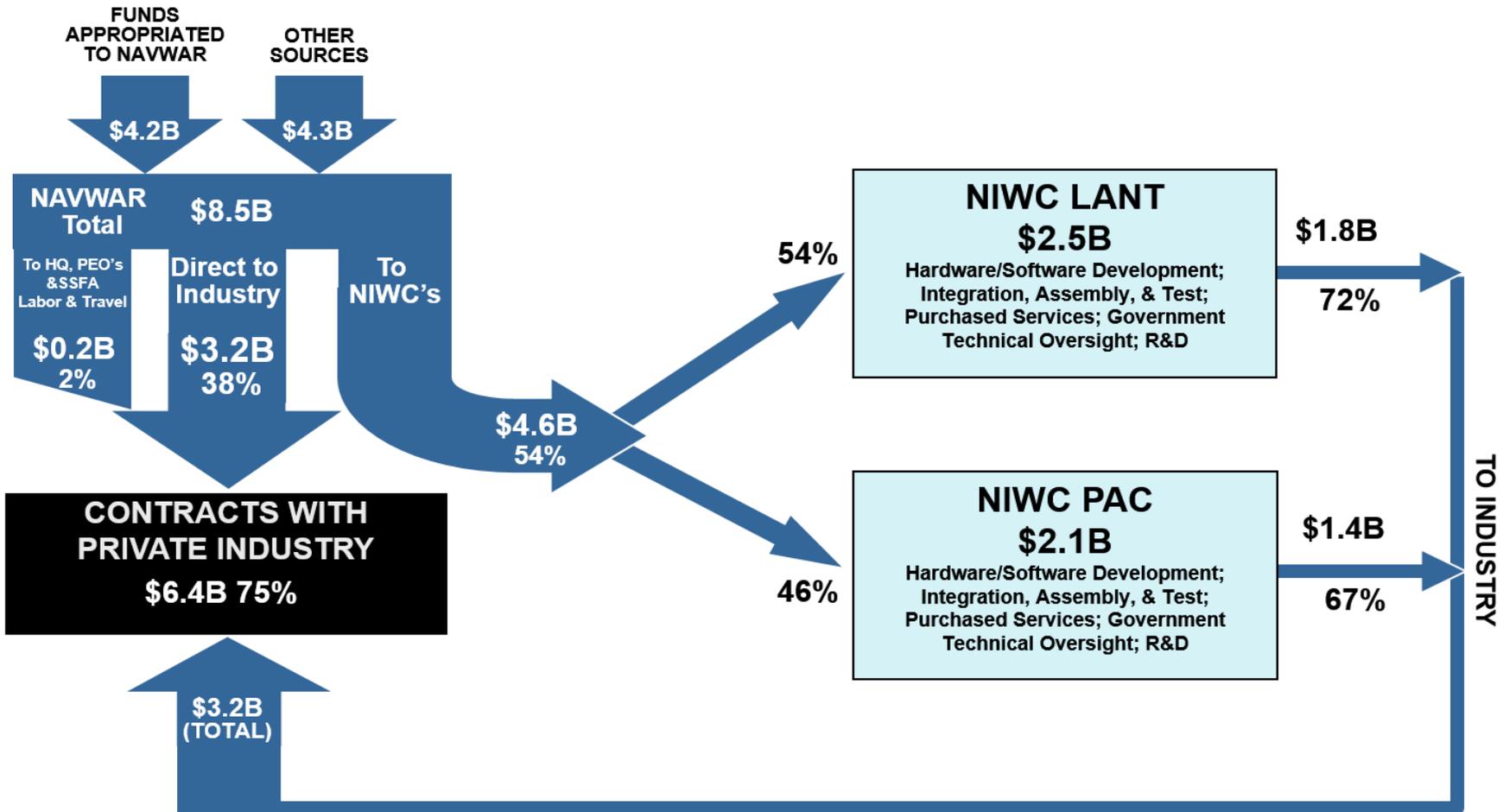
**Integrated Product Team (IPT)** competencies cooperatively functioning together to produce goods and services

Departments (cost, schedule and performance)



## Competencies (people, processes and tools)

# Macro Funds Flow — FY19

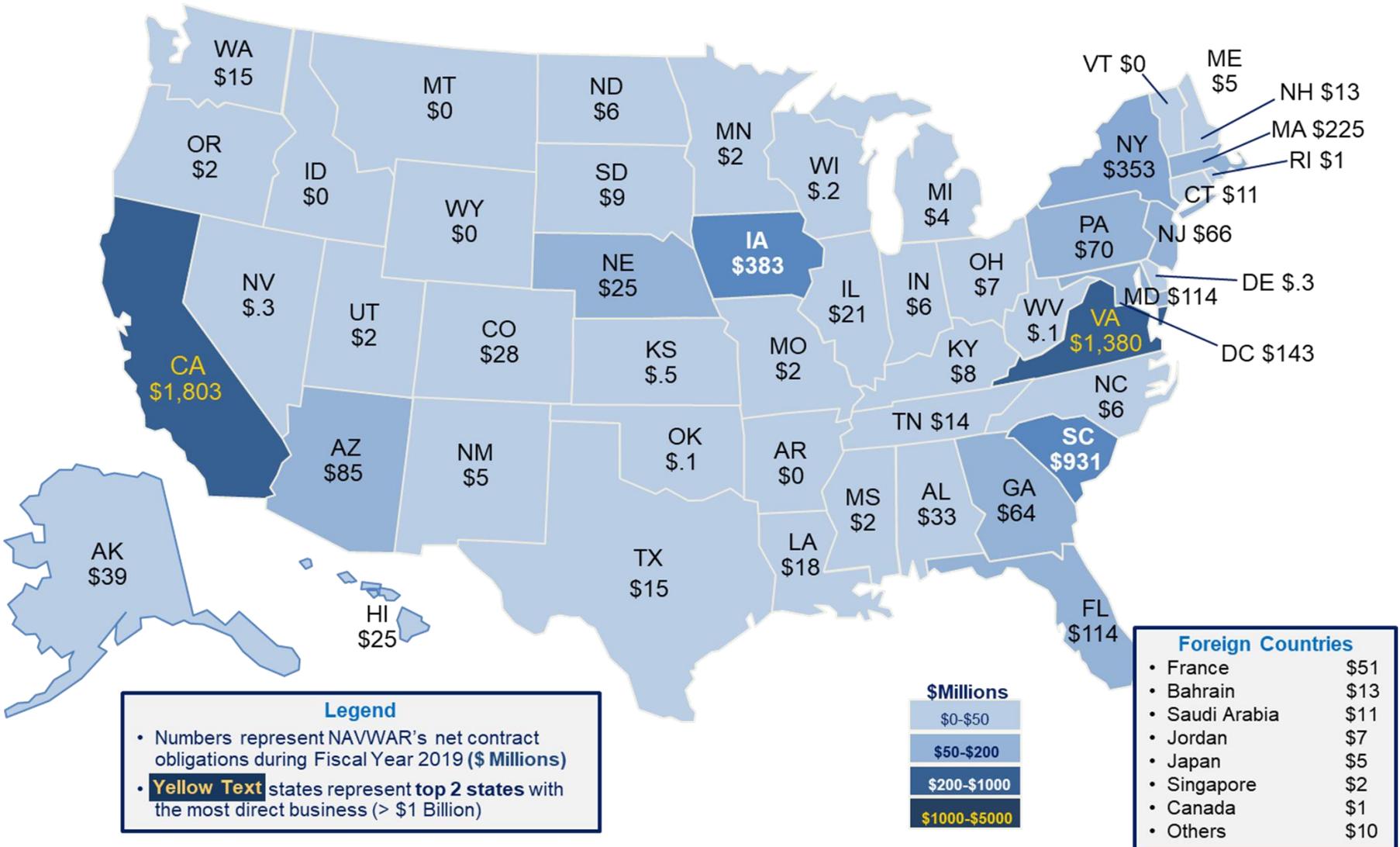


Source: NAVWAR HQ 1.2 Business Analytics Office

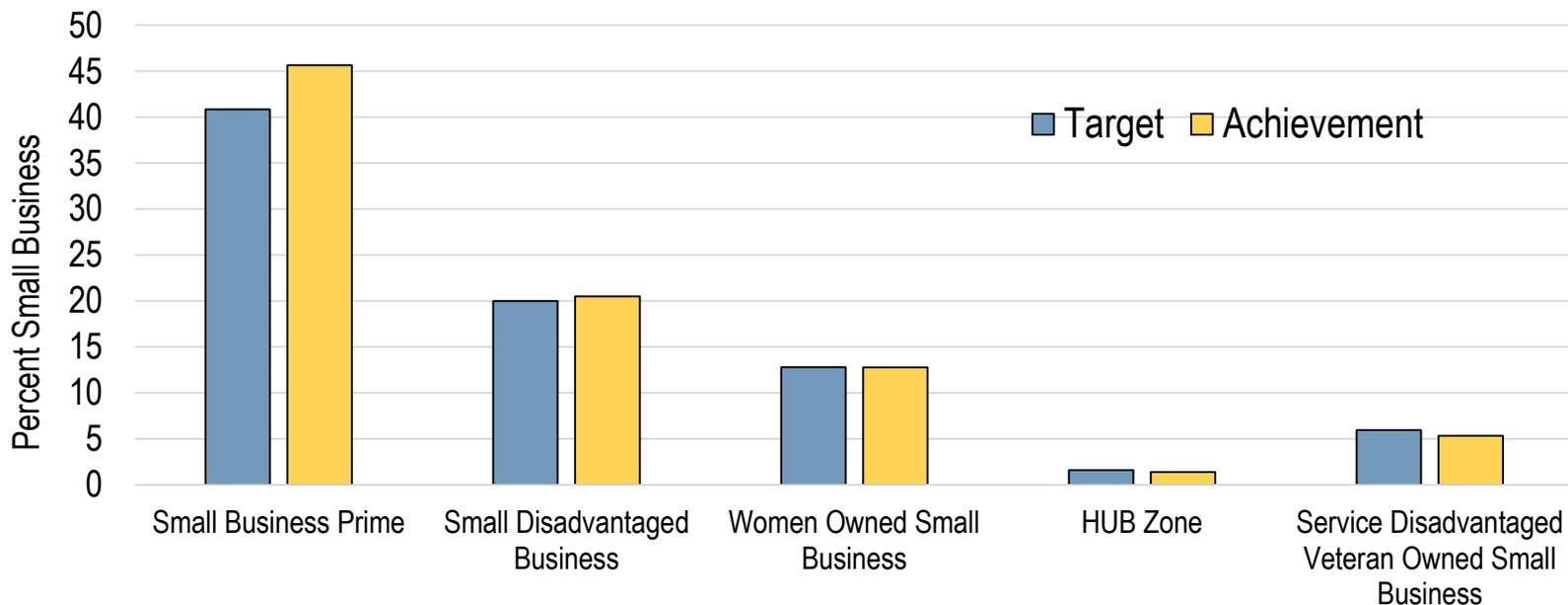
NOTES:

- 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 — FY19



# FY20 Small Business Targets and Achievements



Total SB eligible dollars	SB	SDB	WOSB	HUB Zone	SDVOSB
\$1,376,576,700.46					
<b>Dollars obligated</b>	\$628,259,489	\$282,162,118	\$175,767,155	\$19,008,286	\$120,810,122.
<b>Target</b>	40.83%	20.00%	12.78%	1.58%	5.94%
<b>Achievement</b> (10 Aug 2020)	45.64%	20.50%	12.77%	1.38%	8.78%

# Technology Focus Areas (TFAs)

Utilizing overarching DOD, naval, and NAVWARSSCOM strategic plans, investment budgets, and formal naval needs and gaps statements, NIWC Atlantic released a revised Technical Strategy.

*Technology Strategy and TFA analysis drives work acceptance, lab/facility infrastructure allocations and tools.*



**Artificial Intelligence:** Provide warfighters with analytics-driven, data-informed, and technology-empowered capabilities to drive decision advantages and optimal mission outcomes. (Rob Keisler)



**Assured Communications:** Addresses the demand for resilient, and sometimes covert, wired and wireless communications in degraded and/or denied environments. (Ann Rideout)



**Cloud Computing:** IT modernization and digital transformation for resilient infrastructure, platform and software services. (Kathryn Murphy/Ann Rideout)



**Cybersecurity:** Provides protection from unauthorized use of and/or defends electronic data, hardware, software from disruption or of the services they provide (Erick Fry)



**DevSecOps:** Refers to replacing siloed Development, Security and Operations to create multidisciplinary teams that collaborate with shared and efficient practices and tools. (Kathryn Murphy)



**Mobility:** Provide Wireless Technology and enterprise access for the warfighter to engage with a mobile environment and applications, anytime, anyplace (Ann Rideout)



**Model-Based Systems Engineering (MBSE):** Technologies used to support the development, management and application of virtual constructs of varying fidelity across the spectrum of systems engineering. (David Smoak)

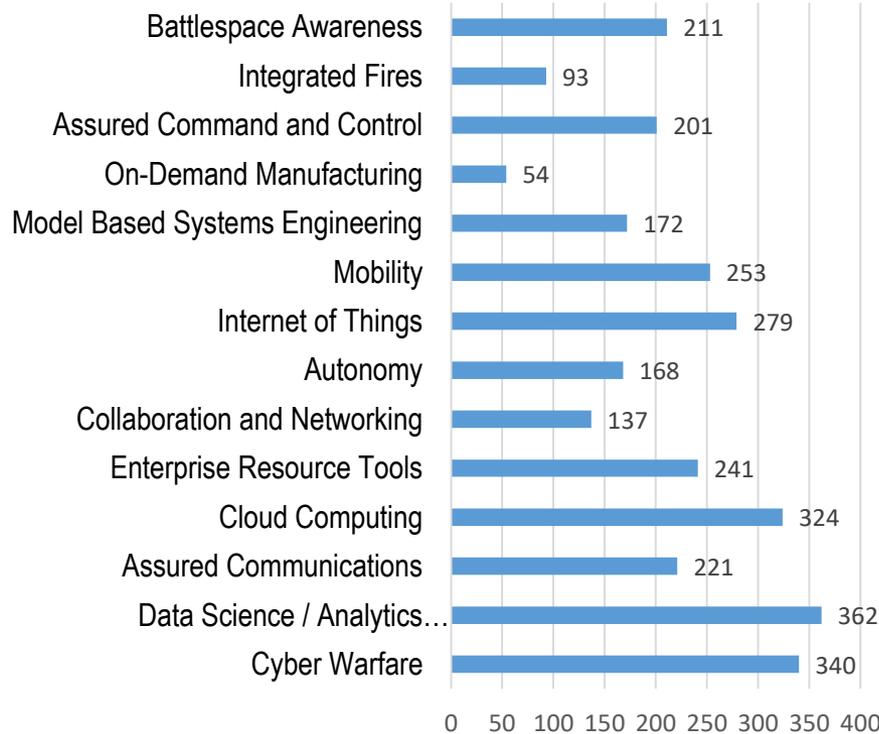


**On-Demand Manufacturing:** Produce products and/or components, when or as they are required at the point of use, using additive and/or traditional manufacturing methods. (Steve Lariviere)

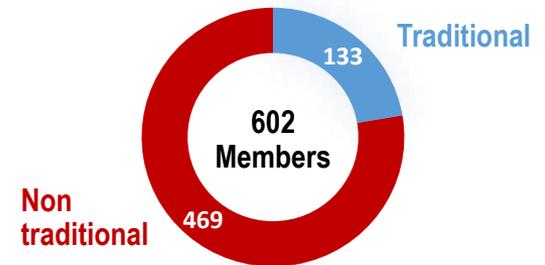
TFA Champion

IWRP mission to foster collaboration between Gov't, Industry and Academia to identify, develop and demonstrate the enabling technologies necessary to enhance the Navy and Marine Corps mission effectiveness in the field of IW.

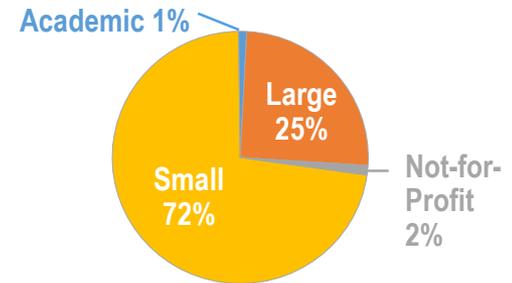
## Membership by Technology Area



## Membership



## By Company Type



## Points of Contact

To become a member of the IWRP consortium go to <https://www.theiwrp.org>

### NIWC Atlantic

- **Jee Youn Fickling**- IWRP Program Manager
  - [lila.fickling@navy.mil](mailto:lila.fickling@navy.mil)
- **Lisa Rosenbaum** – Agreement Officer
  - [lisa.rosenbaum@navy.mil](mailto:lisa.rosenbaum@navy.mil)

### NIWC Pacific

- **Vince Squitieri** – IWRP IPT Lead
  - [vincent.squitieri@navy.mil](mailto:vincent.squitieri@navy.mil)
- **Sharon Pritchard** – Agreement Officer
  - [sharon.pritchard@navy.mil](mailto:sharon.pritchard@navy.mil)



<https://www.secnav.navy.mil/agility/Pages/default.aspx>

## NavalX serves as DON workforce "super-connector," focused on scaling non-traditional agility methods across the DON workforce.

The approach is to connect to pockets of excellence to capture and scale the methodologies being employed, increasing awareness of cross-DoD and external successes, lessons learned, and subject matter experts.



### Palmetto Tech Bridge AT CHARLESTON, SC

The Carolinas offer a unique blend of state-of-the-art industry, entrepreneurial spirit, American historical significance and proud maritime military tradition. The region is home to the [Naval Information Warfare Center \(NIWC\) Atlantic](#) with a respected 58-year presence in the Palmetto State. NIWC Atlantic is charged with meeting our nation's demands for uninterrupted vigilance, fail-safe cybersecurity, adaptive response and engineering excellence. On a daily basis, NIWC Atlantic delivers secure, integrated and innovative technology solutions in support of our nation's top defense priorities.

The Palmetto Tech Bridge is the next step in the continuing evolution of NIWC Atlantic's engagement with leading academic research institutions, world-class industry partners, renowned federal labs and forward-thinking state organizations. With the utilization of diverse, off-base facilities across South Carolina, the Palmetto Tech Bridge



### Mid-Atlantic Tech Bridge

**AT NORFOLK, VA**

The Mid-Atlantic Tech Bridge (MATB) is the first of what we believe will be many Tech Bridges to formally tie the Operational Navy to the Science and Technology capabilities for the Navy and Marine Corps.

Commander 2nd Fleet, in partnership with the Naval Information Warfare Center Atlantic Hampton Roads Detachment, Naval Surface Warfare Center Dahlgren Division Damneck Activity and Naval Surface Warfare Center Carderock Division Norfolk Detachment, will connect

## Points of Contact

### Palmetto Tech Bridge

- Mr. Michael Merriken
- Director Palmetto Tech Bridge
- Michael.Merriken@navy.mil

### Cooperative Tech Bridge Outreach Coordinator

- Mr. Erik Gardner
- Deputy Director Palmetto Tech Bridge
- erik.gardner@navy.mil

### Mid-Atlantic Tech Bridge

- Mr. Mark Wilde
- NIWC Atlantic Lead
- mark.wilde@navy.mil

Naval Information  
Warfare Center



ATLANTIC

# Serve our Nation by delivering information warfare solutions that protect national security. WIN THE INFORMATION WAR.



*NIWC Atlantic is part of the Naval Research & Development Establishment (NR&DE)*

Web: <https://www.public.navy.mil/navwar/Atlantic> Facebook: <https://www.facebook.com/NavalInformationWarfareSystemsCommand>

Twitter: <https://twitter.com/navwarHQ> Instagram: <https://www.instagram.com/spawarhq/> LinkedIn: <https://www.linkedin.com/company/spawar/>

Glassdoor: [https://www.glassdoor.com/Overview/Working-at-SPAWAR-Systems-Center-Atlantic-EI\\_IE638508.11,41.htm](https://www.glassdoor.com/Overview/Working-at-SPAWAR-Systems-Center-Atlantic-EI_IE638508.11,41.htm)

Employment opportunities: <https://www.usajobs.gov/> NIWC Atlantic Small Business: <https://www.public.navy.mil/navwar/Atlantic/Pages/ForIndustry.aspx>

NAVWAR Contract Directorate Office: <https://e-commerce.sscno.nmci.navy.mil>



Mr. Jacob Barclay  
President, TASC  
[Jacob@barclaygroupllc.com](mailto:Jacob@barclaygroupllc.com)



# TASC Overview

- ▼ The Tidewater Association of Service Contractors (TASC)
- ▼ Focal point for industry collaboration toward greater awareness of Government business opportunities while sharing industry's experience and perspective with Government partners to more clearly define, understand, and improve the acquisition process to optimize support to the warfighter and Federal agencies, as well as stewardship to the taxpayer. TASC is focused on providing value to both membership bases: Industry and Government
- ▼ Industry Member: Value through access to government decision makers and forecasted opportunities by facilitating various industry day, education and networking events.
- ▼ Government Member: Value through access to industry feedback, a conduit for market research participation, education, and networking events.



# TGIC Overview

- ▼ The Tidewater Government/Industry Council (TGIC)
- ▼ Provide for effective avenues of communications, cooperation and consultation between Government Contracting Activities, their Customer Activities and to private industry in the Hampton Roads, Virginia area in order to improve the productivity of contracting and the quality of the end product for the mutual benefit of the Government and industry.
- ▼ Explore and develop methods of quality/productivity improvement; foster a spirit of cooperation; provide a forum to share new ideas and initiatives; and suggest changes to applicable policies, regulations and/or statutes through the appropriate channels.
- ▼ It is not the purpose of the Council to discuss specific contractual actions or discuss particular future procurements.



# Sponsors

## Gold Level Sponsors:



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## IT Sponsor:

Booz | Allen | Hamilton®



# Announcements

- ▼ TGIC Executive Committee Meeting
  - Thursday, September 10, 2020
  
- ▼ TGIC Virtual Trainings
  - TBD - Monitor website postings



# Naval Information Warfare Center Atlantic

## Fleet C4I And Readiness Department

Tidewater Association of Service Contractors  
**Naval Information Warfare Center  
(NIWC) Atlantic Virtual Industry Day**

24 August 2020

**Mr. Greg Lancaster**  
Deputy Department Head

**Mr. Travis Tillman**  
Deputy Department Head



Research & Development, Design, Engineering and ISEA



FLEET C4I & READINESS DEPARTMENT

Charles Adams



Design, Integration, Production and Sustainment

Deputy 100s  
Greg Lancaster

Deputy 700s  
Travis Tillman

Battle Space Awareness Division (PMW 120) John Thompson	IA & Navy Cyber Security Division (PMW 130) Jeff Sweeney	Command & Control & Afloat Applications Division (PMW 150) Gary Miller	Navy Afloat Network Division (PMW 160) Bob Rozar	Navy Afloat Transport & Navigation Division (PMW 170) Robert James	Foreign Military Sales/Air Integration/USCG Division (PMW 740) Martina Jackson	Surface Ship Integration Division (PMW 750/760) Mark Held	Submarine Integration Division (PMW 770) Dave Bednarczyk	Shore C4I Integration Division (PMW 790) Mark Luther
Afloat Signals Exploitation	Navy Cyber	Maintenance Figure of Merit (MFOM)	Tactical Networks SW Support	Afloat Transport Systems	NAVAIR FMS	Surface New Construction	Submarine CWITTs & SWFTS Modernization	USNO Networks
Distributed Common Ground System-Navy (DCGS-N)	Network Security	Naval Tactical Command Support Systems (NTCSS)	CANES Engineering	Software Defined Radio	TacMobile	Large Deck New Construction	Afloat Submarine C4I	Naval Messaging
Integrated Undersea Surveillance Systems (IUSS)	Crypto and Key Management	NTCSS ISEA/AEA/ILS/APG Support	TACNET Deployment	Position, Navigation, & Timing Engineering	USCG	Interior Communications	Shore Submarine C4I	Tactical Shore Systems
	Multi-Level Security Engineering (MLSE)	Naval C2		Position, Navigation, & Timing ISEA	C4I FMS	Multi Media		Unified Capabilities Voice Solutions
				Radio Communications				Secure Voice Solutions

C-2 Competency Manager - George Spellman Deputy - Ray Chappell		Fleet Installations and Response Division Len Little	
62100 - PMW 130/150/740	62700 - PMW 750/760/770	FIO LANT Execution Mgr.	Surface Modernization Unit Level
62400 - PMW 120/160/790	62A00 - PMW 170	Fleet Support Office (FSO)	Surface Modernization Force Level
62600 - PMW 770/FIR Div.		FIO Service Center Mgr.	Submarine Modernization C4I
		Performance Based Logistics Office (PBLO)	Shore Modernization
		Depot	



Field and Sustain C4I Capabilities

# Fleet C4I and Readiness Divisions (100s)

- ▼ **Battlespace Awareness Division:** Delivers intelligence and IO products and services to Warfighters, with primary customer PMW 120 (ISR/IO). Provides the ISR/IO Capability-Based In-Service Engineering Activity (CB-ISEA) services.
- ▼ **Information Assurance and Navy Cybersecurity Division:** Delivers cybersecurity protection of DoD IT and telecom systems with cryptographic, network and host-based security products that ensure strong authentication, data integrity, confidentiality, non-repudiation and availability of network information.
- ▼ **Command and Control and Afloat Applications Division:** Delivers operational and tactical command and control capabilities by integrating real-time and near real-time representations of tactical situations, providing targeting support, chemical-biological warnings and logistics support for Warfighters.
- ▼ **Navy Afloat Networks Division:** Rapidly deliver integrated wide area, local networking and foundation computing systems products and services to Warfighters. Major systems include CANES, ADNS, ISNS, CENTRIXS and CES.
- ▼ **Navy Afloat Transport and Navigation Division:** Provides engineering integration and lifecycle support to Navy Afloat Transport Systems. Integrate, deliver and support interoperable communications, enabling seamless Fleet operations. Provides improvements to GPS receivers and antennas and non-GPS sensors and systems. Integrates, tests and evaluates, sustains and supports software-defined radio communications solutions for the Warfighter.



## Research & Development, Design, Engineering and ISEA



# Fleet C4I and Readiness Divisions (700s)

- ▼ **Foreign Military Sales / Air Integration / U.S. Coast Guard Division:** Delivers and integrates tailored, C4I-releasable systems to foreign partners through Foreign Military Sales and Foreign Military Financing to enhance interoperability between the U.S. and international partners. Provides engineering integration and lifecycle support for Navy TacMobile along with C4I systems integration, installation and testing for new construction USCG ships.
- ▼ **Surface Ship Integration Division:** Delivers integrated and interoperable C4I capabilities and support to new construction Navy aircraft carriers, amphibious ships, command ships and aircraft. Designs, integrates and tests interoperable C4I end-to-end capabilities to Navy and Coast Guard ships during new construction and modernization.
- ▼ **Submarine Integration Division:** Delivers vital naval capabilities by connecting the entire undersea architecture of manned and unmanned systems and undersea vehicles to maximize joint warfighting capability.
- ▼ **Shore C4I Integration Division:** Delivers integrated and interoperable C4I capabilities and support to the Navy's shore and expeditionary forces through modernization, acquisition and system integration.

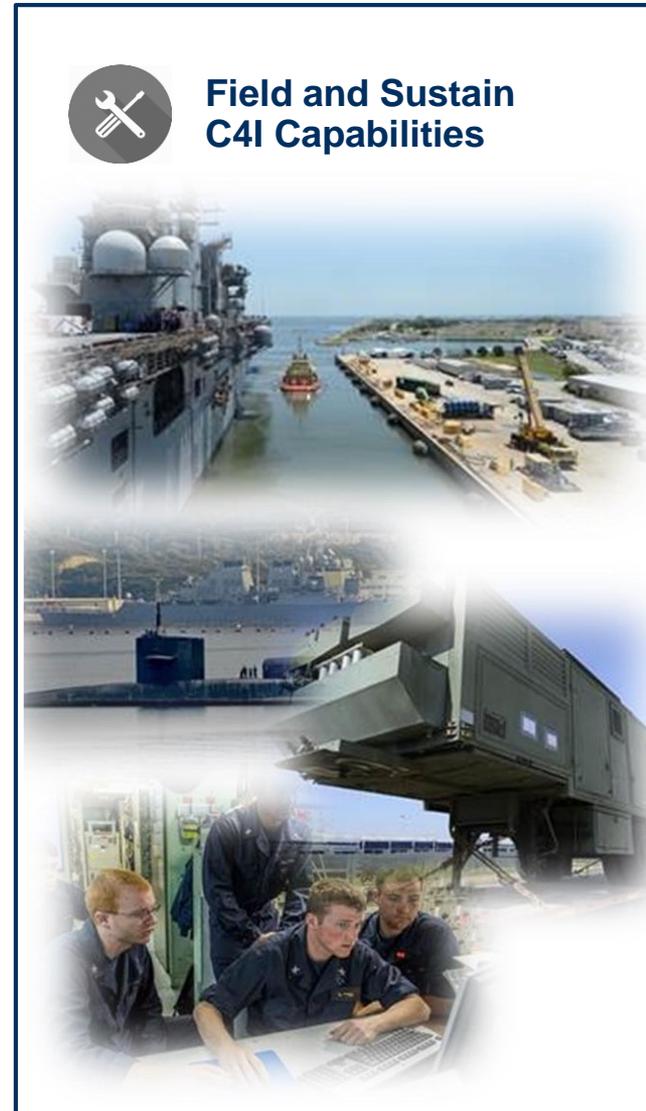


**Design, Integration,  
Production and  
Sustainment**



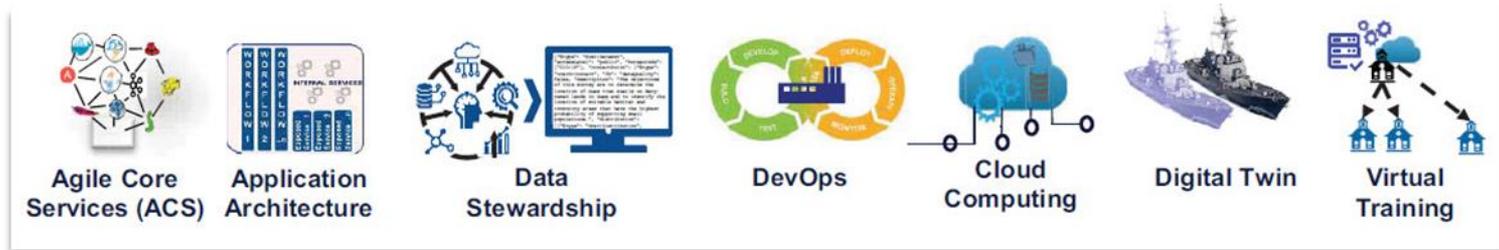
# Fleet Installations and Response Division

- ▼ Fleet Installations and Response Division provides:
  - Direct Fleet support after new platform delivery through the Fleet Support Office (FSO)
  - Fleet modernization through the Installation Execution Office
  - Fleet sustainment of system performance through the In-Service Engineering Agent (ISEA)
  - Support to NAVSUP's Performance Based Logistics (PBL) through its PBL Office (PBL-O) by refurbishing, repairing and re-engineering selected components, equipment and sub-systems for critical items no longer serviced by Other Equipment Manufacturers (OEM) providers.
  
- ▼ Major Systems:
  - C4I Surface Modernization
  - C4I Shore Modernization
  - C4I Sub Modernization
  - Fleet Support Services
  - Installation Management Office
  - Fleet Support Office
  - PBLO / DEPOT
  
- ▼ Primary Customers:
  - FRD 100, FRD 200, NAVSEA & PEOs, NAVSUP



# Fleet C4I and Readiness Department Focus Areas

- ▼ The Fleet is the priority – COVID-19 Impact – Distance Support
- ▼ No seams – single Department manages all work executed within PEO C4I
- ▼ Cybersecurity is not in the trade space
- ▼ Capability must be designed to be modular, rapidly upgradeable, and standards-based – align to C4I Information Warfare Digital Execution Plan
  - Agile Core Services
  - Development, Security and Operations (DevSecOps)
  - Cloud Computing
  - Digital Twin
  - Virtual Training
- ▼ Increase understanding of system functionality to mission capability
- ▼ Implement Model Based System Engineering (MBSE) and Agile development
- ▼ Rapidly assess, integrate and deliver science and technology (S&T) innovations to maintain naval advantage



# Fleet C4I & Readiness Department Thrust Areas

## Thrust Area 1: Cybersecurity

**Goal:** Become a cybersecurity center of excellence by ingraining cybersecurity practices in all of our engineering efforts.

**Initiatives:** Improve understanding of current guidance through training, document and share current cyber tasking across the Department and improve vulnerability and patch management for lab systems and program baselines.

**Technology Focus Area Alignment:** Cybersecurity; Assured Communications



## Thrust Area 2: Innovative Culture

**Goal:** Increase the number of IPTs creating their own future curve by pursuing improvement opportunities – new warfighter technical solutions, workforce training and lab improvements.

**Initiatives:** Network and Data Center Intelligent Assistant (CANES Engineering IPT); Examination of RF Propagation Commonality Strategies using Radiating Coaxial Cables (Interior Comms IPT); Orchestration Architecture for Military RF Communications Systems (SDRS IPT); Remote Testing at the NIEF (CANES Deployment IPT); Tactical, Deployable MUOS (SDRS IPT); Resilient Communications Workshop (SDRS IPT); MBSE to MBT/RPA (Naval C2 IPT)

**Technology Focus Area Alignment:** Assured Communications, Artificial Intelligence, Model Based Systems Engineering



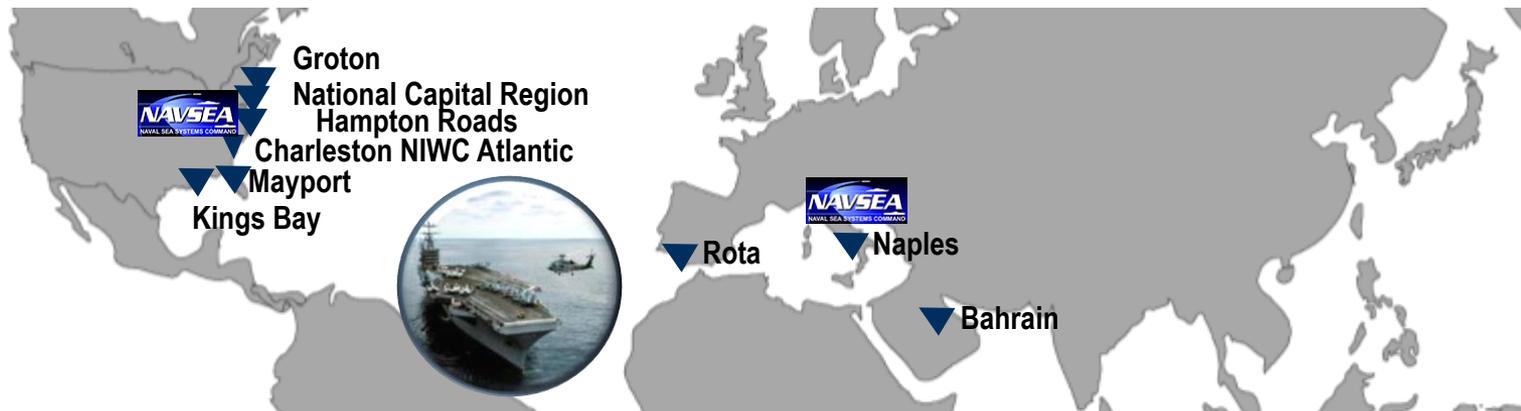
## Thrust Area 3: High Velocity Learning

**Goal:** Create technical transparency across our IPTs and improve awareness of how system capabilities are used by the warfighter to support missions.

**Initiatives:** Quarterly IPT Tri-charts, monthly Thrust Area meetings, Mission Competency development leadership and support.



# NIWC Atlantic Fleet Readiness Strategic Presence and Partnerships



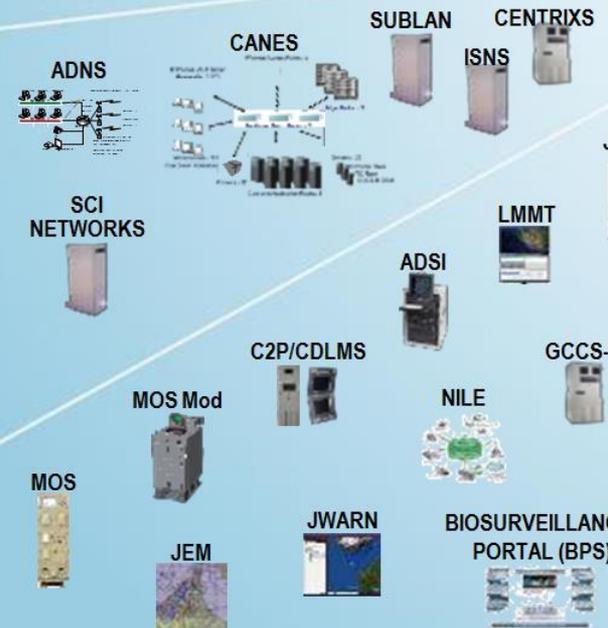
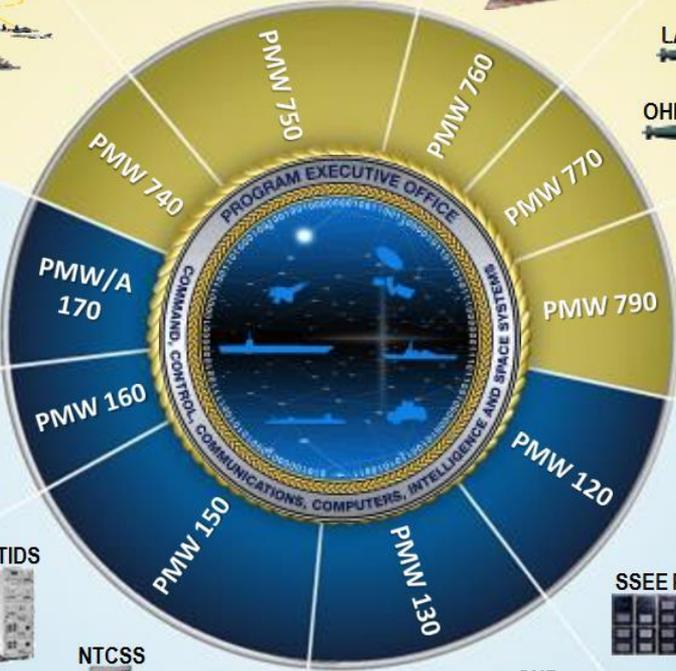
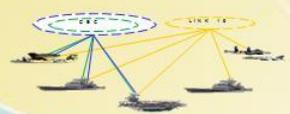
- ▼ Increasing our strategic partnership presence with SEA21 to more effectively integrate maintenance strategies, modernization plans, and technical and logistic efforts – civilian representative in D.C. and civilian/military officer at MARMC
- ▼ Increasing our speed to capability by forward deploying Capability Based – In-Service Engineering Activity (CB-ISEA) personnel (3x) with sponsorship by CNRMC
- ▼ Streamlining Fleet Support Office touch points through CB-ISEA for government and contractor resources
- ▼ Deploying project teams for installation efforts utilizing system subject matter efforts for both software loading and SOVTs
- ▼ Maintaining regional shore installation managers in Bahrain and Naples
- ▼ Increasing Rota military presence utilizing Active Duty for Special Work (ADSW) assignments

Strategically aligning and posturing to support the deployed Navy.

95 Programs / Projects  
 7 ACAT I  
 5 ACAT II  
 83 ACAT III & below



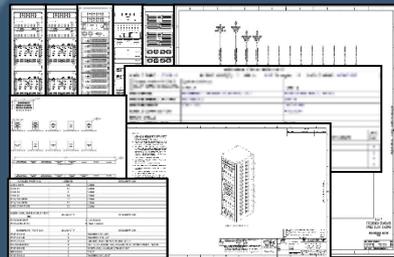
INTERNATIONAL C4I INTEGRATION



Integration Program  
 Office  
 Office  
 Office  
 Office  
 Office

# Surface New Construction IPT

## Mission and Projects



### MISSION

Focused on delivering superior integrated and interoperable C4I capabilities to the Navy and Military Sealift Command



### Ongoing Projects:

LCS, LPD, DDG 51, T-EPF, T-ESB, T-AO 205, FFG, T-ATS, LCU 1700, T-AGOS, T-ARC, LCS-CSSA, USV, FSCF, Future Ships

## Top Sponsors

PEO C4I - PMW 760, PEO USC, PEO Ships  
in support of NAVSEA, and Military Sealift  
Command

### Focus

Surface Ships C4I Systems  
Design, Engineering, Integration, Validation,  
Installation and Acquisition Support for  
US Navy Shipbuilding and  
MSC In-Service C4I Modernization

### Quick Stats

IPT Task Agreements: 20  
PU: 16  
FY20 Total Staff: Gov. - 70; Contractor - 35  
Resource Requests: 2 in process  
FYTOA: \$34.5M  
Key Locations: CHS, Mobile, WNY, Bath,  
Mayport, San Diego, Marinette, Pascagoula

# What is Future Ships?

- ▼ Future Ships Business Line has two primary functions and roles supporting systems engineering technical projects that are multidimensional with complex tasks assigned to:
  - 1) PEO C4I PMW 760 Future Ships Integrated Platform Manager (IPM) in support of PMW 760 PM to create synergy and a common core for a Single Point of Entry (SPOE) to support platform acquisition documentation.
  - 2) NIWC Atlantic, Surface New Construction (NewCON) Future Ships Project Lead in support of PM and SE tasking for various PEO and MSC programs.
  
- ▼ Description of Level of Effort - JCIDS acquisition documentation development and support and applies MBSE best practices using a systems engineering approach. The impact of this business line continues to increase efficiencies between applicable NIWC Atlantic and NIWC Pacific commands and other stakeholders, including applicable S&T and R&D communities, to significantly improve the acquisition documentation for the warfighter.

# Future Ships – Acquisition Documentation Support Description of Effort (not limited to)

The following is a list of acquisition documentation support services available to our customers:

- ▼ Model-Based Systems Engineering (MBSE)
- ▼ Requirements Analysis & Requirements Traceability Matrix (RTM)
- ▼ RF Radio Spectrum Channel Count Matrix with Recommended Radio Solution Set
- ▼ Ships Notional C4I Systems Configuration Baseline
- ▼ Analysis, Studies, CBA, AoA (Studies), and other support
- ▼ Bridge the gap between C4I & C5I to enable an Integrated Combat Systems (ICS)
- ▼ C4I Net Ready – Key Performance Parameters (NR-KPP) Table
- ▼ Enhanced Information Support Plan (EISP) & NR-KPP Viewpoints Package
- ▼ DoDAF & SysML Modeling
- ▼ Ships Architecture Framework (SAF) Systems Viewpoint (SV-1) (DFIA Governance)
- ▼ Risk Management Framework (RMF) Support
- ▼ Communications Equipment Population Summary (CEPS) Support
- ▼ EISP/NR-KPP Component Service Review and Joint Staff (J6) Assessment Support
- ▼ Bandwidth Analysis
- ▼ Other Systems Engineering Support: Program Protection Plan (PPP), Cybersecurity Strategy, etc.
- ▼ Topside and Space Arrangement Support

# Upcoming Contract Development Efforts

- ▼ Future Ships Project Support Follow-On Contract
- ▼ Competitive (Single Award); CPFF; Base + 4 Option Years
- ▼ Contract award planned for Q3 FY21

# U.S. Coast Guard IPT

## Mission and Projects



### MISSION

Provide both large and small scale program management, engineering, technical, and logistics services in support of Acquisition, Sustainment, and IT services and directly manage and deliver integrated, joint, and coalition-interoperable C5I capabilities to the USCG.



### Ongoing Projects:

Readiness Services, MUOS, Cloud Migration (Engineering, Cybersecurity), National Security Cutter SCIF EXCOMM Upgrades & Recapitalization, Fast Response Cutter PMO, National Response Center Systems Support, O365, Mobility, Polar Security Cutter Systems Engineering Support

## Top Sponsors

### USCG

C5ISC, CG-9321, CG-9324, CG-9325, CG-9326, CG-9335, CG-MER, CG-FAC

### Focus

Delivering the latest technology and advanced capabilities ensuring an optimum state of readiness in support of USCG missions.

## Quick Stats

IPT Task Agreements: 30

PU: 6

FY20 Total Staff: Gov. - 87; Contractor - 185

Resource Requests: 2 in process

FYTOA: \$205M

Key Locations: Charleston, SC; Washington, DC; and Norfolk, VA

# What is USCG IPT?

- ▼ The U.S. Coast Guard (USCG) Integrated Product Team provides engineering sustainment, acquisition, and IT services for USCG platforms. These services deliver the latest technology and advanced capabilities ensuring an optimum state of readiness in support of USCG missions and interoperability with Navy and other international partners.
  - Sustainment Services
    - Provides Readiness Assessments, remote and on-site Technical Assistance, CASREP response, Depot Management, Integrated Logistics support, and integration/recapitalization for equipment installed on USCG platforms.
  - Acquisition Services
    - Provides program management, financial management, engineering, and technical services in support of the acquisition through the integration and delivery of assets and systems for newly constructed USCG cutters, including Navy POR and non-POR systems (i.e., CANES, NAVMACS, ADNS, NMT).
  - IT Services
    - Provides engineering and fielding of IT enterprise infrastructure services for the USCG IT environment.

# NIWC Atlantic USCG IPT Support for Engineering Lifecycle

## Engineering Support Services Spanning the USCG Lifecycle

### Acquisition

- National Response Center
- FRC Acquisition PM



- NSC SCIF/EXCOMM
- NSC 1-4 Recapitalization
- TV-Direct to Sailors



- Knowledge Management Support
- sUAS - Scan Eagle

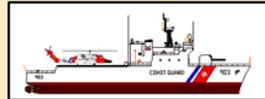


- Polar Security Cutter



### Sustainment

- Marine Force Protection Unit (MFPU)
- Total Asset Visibility
- RAM Engineering/Metrics
- Software CM Tracking
- Cryptographic Modernization
- Cybersecurity



- SELC Dev/Implementation
- ILS Development
- Test & Evaluation
- Training Services
- Mobile User Objective System (MUOS)
- CGNC4



- Help Desk Support
- Mobile Communication Van (MCV)



### IT Services

- ILS Data Metrics
- Desktop Services
- Virtualization



- Unified Capabilities (O365, Mobility)
- Identify & Access Management
- Platform IT



- KVH
- Cloud Migration (Engineering & Cybersecurity)
- SeaWatch
- Server Services

# Upcoming Contract Development Efforts

## ▼ Solicitation #1 - N6523620R3015

- Provide C5ISR Afloat and Ashore based communications support, maintenance, and sustainment on USCG platforms, including program management services and engineering and technical services, design, computer aided drafting (CAD), technology evaluation support, configuration management support, material procurement, system and component integration and implementation, system testing, equipment repair, training, and sustainment support.
- Competitive (Single Award); CPFF; Base + 4 Option Years
- Contract award planned for Q2 FY21

# Upcoming Contract Development Efforts

## ▼ Solicitation #2 - N6523620R3013

- Provide C5ISR Afloat and Ashore based communications support, maintenance, and sustainment on USCG platforms, including the sustainment and maintenance of the technical, functional, and operational capabilities for the lifecycle of Coast Guard Type, Coast Guard Owned (CTCO), Navy Type, Navy Owned (NTNO), and Navy Type, Coast Guard Owned (NTCGO) equipment and systems ranging from radio frequency satellite communications to information technology based technical areas. Support services include a full spectrum of integrated logistics, cybersecurity and information assurance, and sustainment and recapitalization for USCG equipment and systems.
- Competitive (Single Award); CPFF; Base + 4 OYs
- Contract award planned for Q2FY21

# Optimizing USCG Readiness

## Technology Focus Areas

- Artificial Intelligence
- ✓ Assured Communications
- ✓ Cloud Computing
- ✓ Cybersecurity
- ✓ DevSecOps
- ✓ Mobility
- MBSE
- On-Demand Manufacturing

Delivering the latest technology and advanced capabilities ensuring an optimum state of readiness in support of USCG missions.

**NIWC Atlantic provides large & small scale program management, technical, logistics, sustainment, integration, installation, modernization and upgrade services.**

Fleet C4I and  
Readiness  
Department

## United States Coast Guard IPT



- Engineer, design, and integrate the Mobile User Objective System in support of afloat and ashore fleet platforms
- Engineer and field IT enterprise infrastructure and knowledge mgmt. services for the USCG IT environment in support of afloat and ashore fleet platforms
- Systems administration and software engineering for the National Response Center
- Support C4I capabilities, technical support, program mgmt. and systems engineering for the acquisition of Fast Response Cutters and Polar Security Cutters
- Manage and execute major C4I system upgrades on newly constructed National Security Cutters to include system recapitalization for end of life equipment issues
- Install C4ISR infrastructure to support the hosting and operations of the ScanEagle Small Unmanned Aircraft System onboard NSCs

# Questions?



# Naval Information Warfare Center Atlantic

## Contracts Operation and Contract Forecast

Tidewater Association of Service Contractors  
**Naval Information Warfare Center  
(NIWC) Atlantic Virtual Industry Day**

**Mr. Steve Harnig**  
NIWC Atlantic  
2.0 Contracts Competency Director

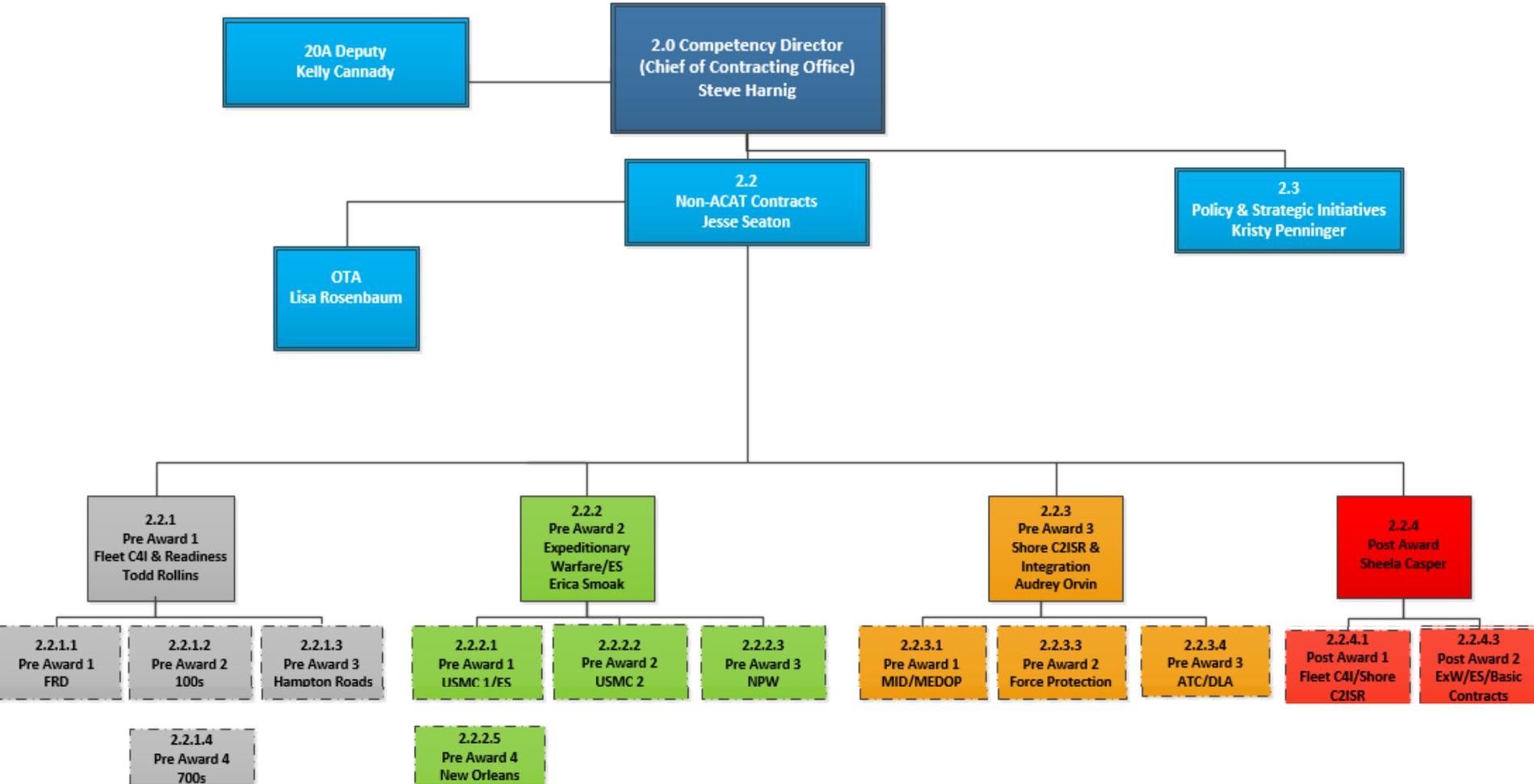
24 August 2020



# Overview

- ▼ Opening Remarks
- ▼ 2.0 Contracts Organization
- ▼ Contract Strategy
- ▼ Production Metrics
- ▼ Industry Forecast
- ▼ Questions

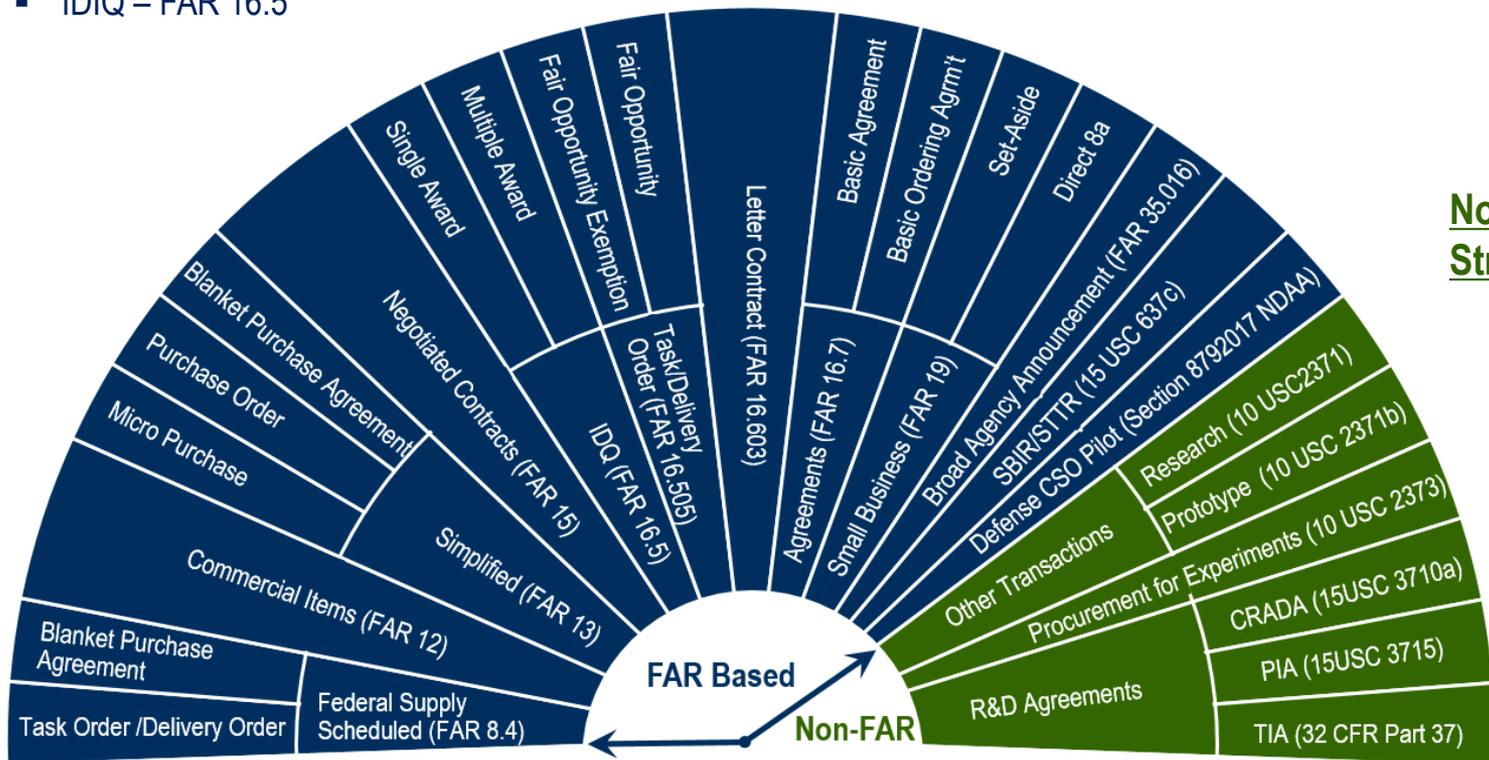
# 2.0 Contracts Organization



# Explore Contracting Strategies

## FAR Based Strategies

- Federal Supply Schedules – FAR 8.4
- Commercial Items – FAR 12
- Simplified Acquisitions – FAR 13
- Contracting by Negotiation – FAR 15
- IDIQ – FAR 16.5
- Letter Contract – FAR 16.603
- Letter Contract – FAR 16.603
- Agreements – FAR 16.7
- Small Business – FAR 19
- BAA – FAR 35.016
- SBIR/STTR
- Defense CSO Pilot Program



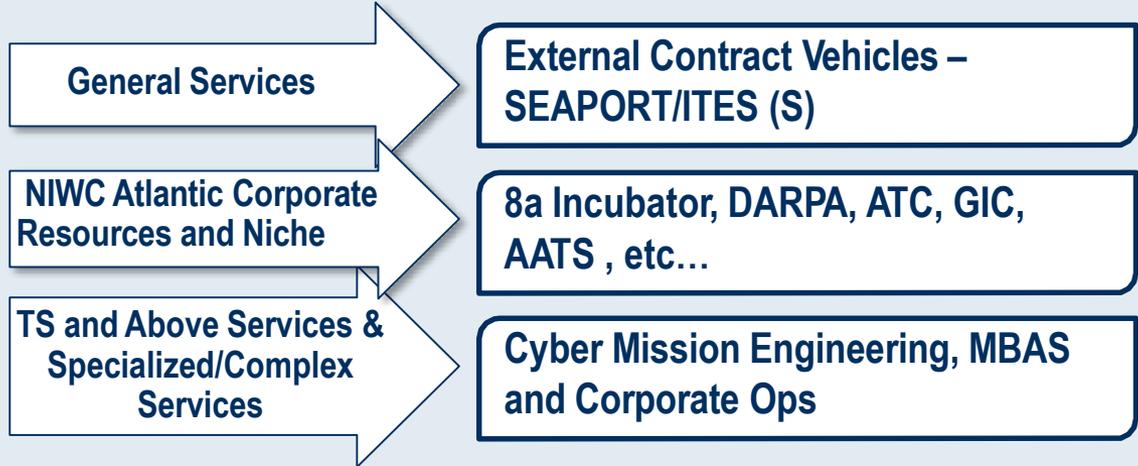
## Non-FAR Based Strategies

- Other Transactions (OT)
- Procurement for Experimental
- R&D Agreements

# NIWC Atlantic Contracts Strategy

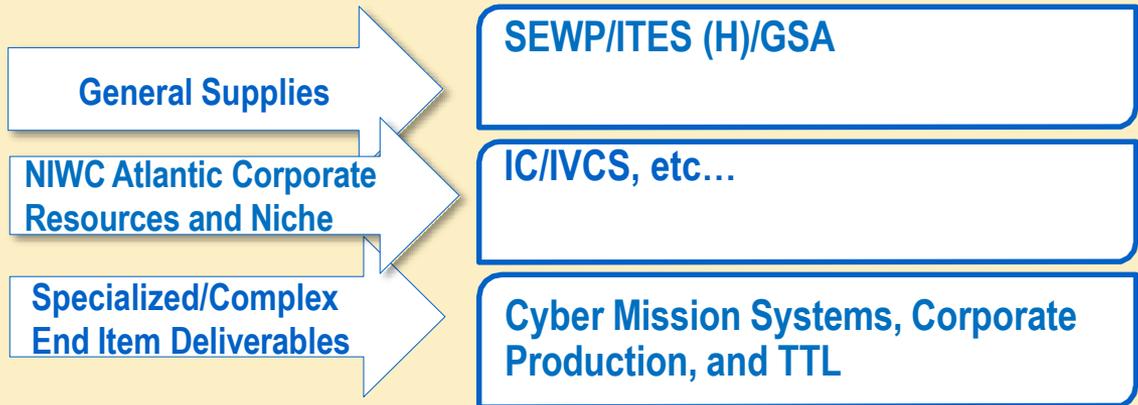
## SERVICES

General, Corporate Resources/Niche Service Contracts, Specialized/Complex



## SUPPLIES

General, Corporate Resources/Niche Supply Contracts, Specialized/Complex



**OTHER TRANSACTION AUTHORITY**  
Information Warfare Research Project

**NIWC Enterprise OTA for Rapid Innovation, Prototyping and Fielding**

# Managing Contract Strategy for the Future

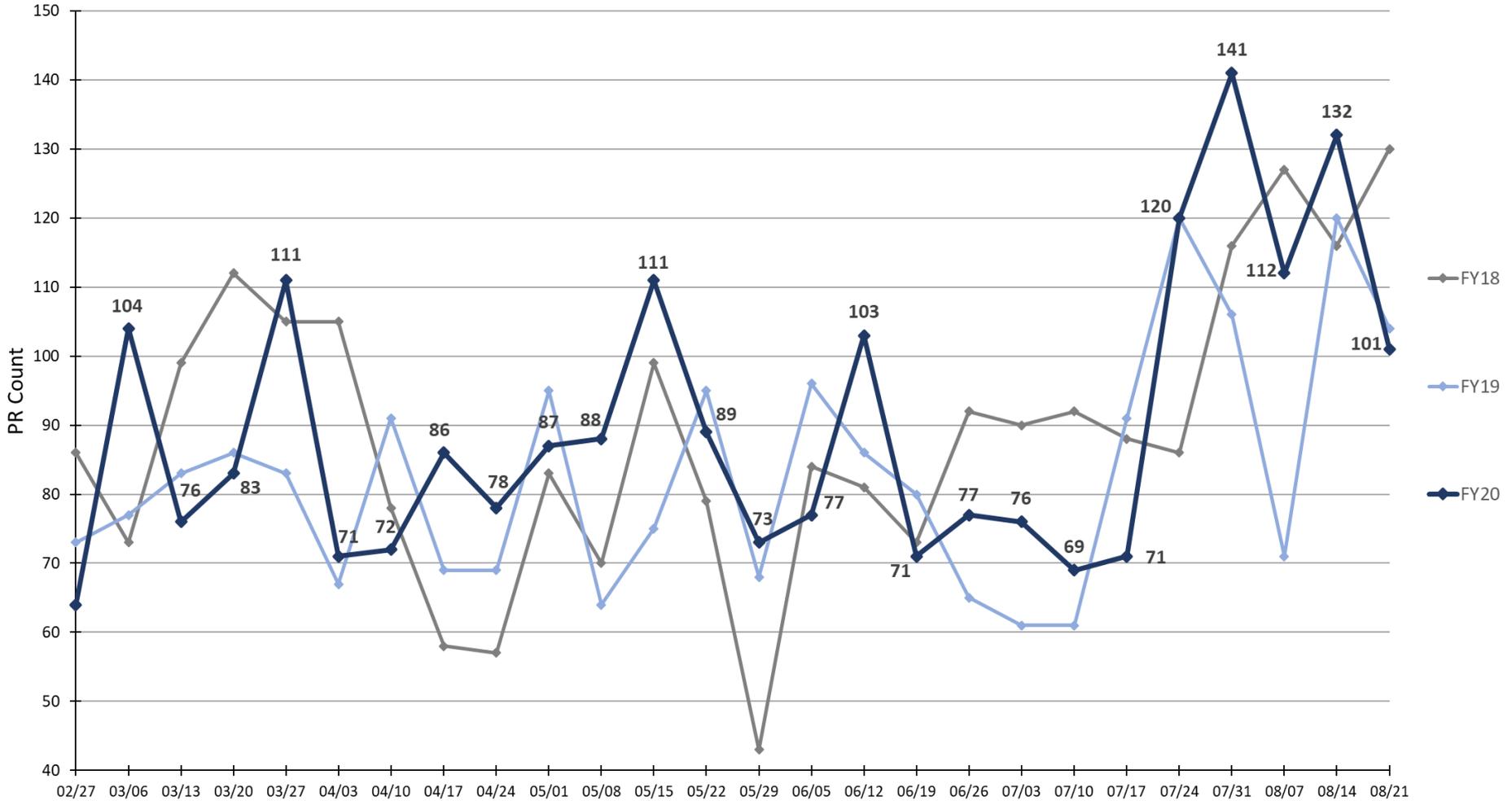


## Business Interest Areas

- ▼ Information Warfare Research Project
  - 48 Total Awards (42 LANT / 6 PAC)
- ▼ ANC Strategy
  - C4I: Rapid Response (Awarded 9/30)
  - USCG
- ▼ Internal Supply MAC (*C2 replacement*)
  - Commercial Items (not COTS)
  - Not available on SEWP
  - Long lead-time items
- ▼ Command Strategy
  - Ensure Contract Strategy supports Technical Strategy
    - 5G, Cloud, MBSE, DEVOPS
- ▼ TS/SCI Services (*CME replacement*)
  - CME ceiling reserved
  - Acquisition strategy development
  - SeaPort NxG for general services

# 2.0 Production

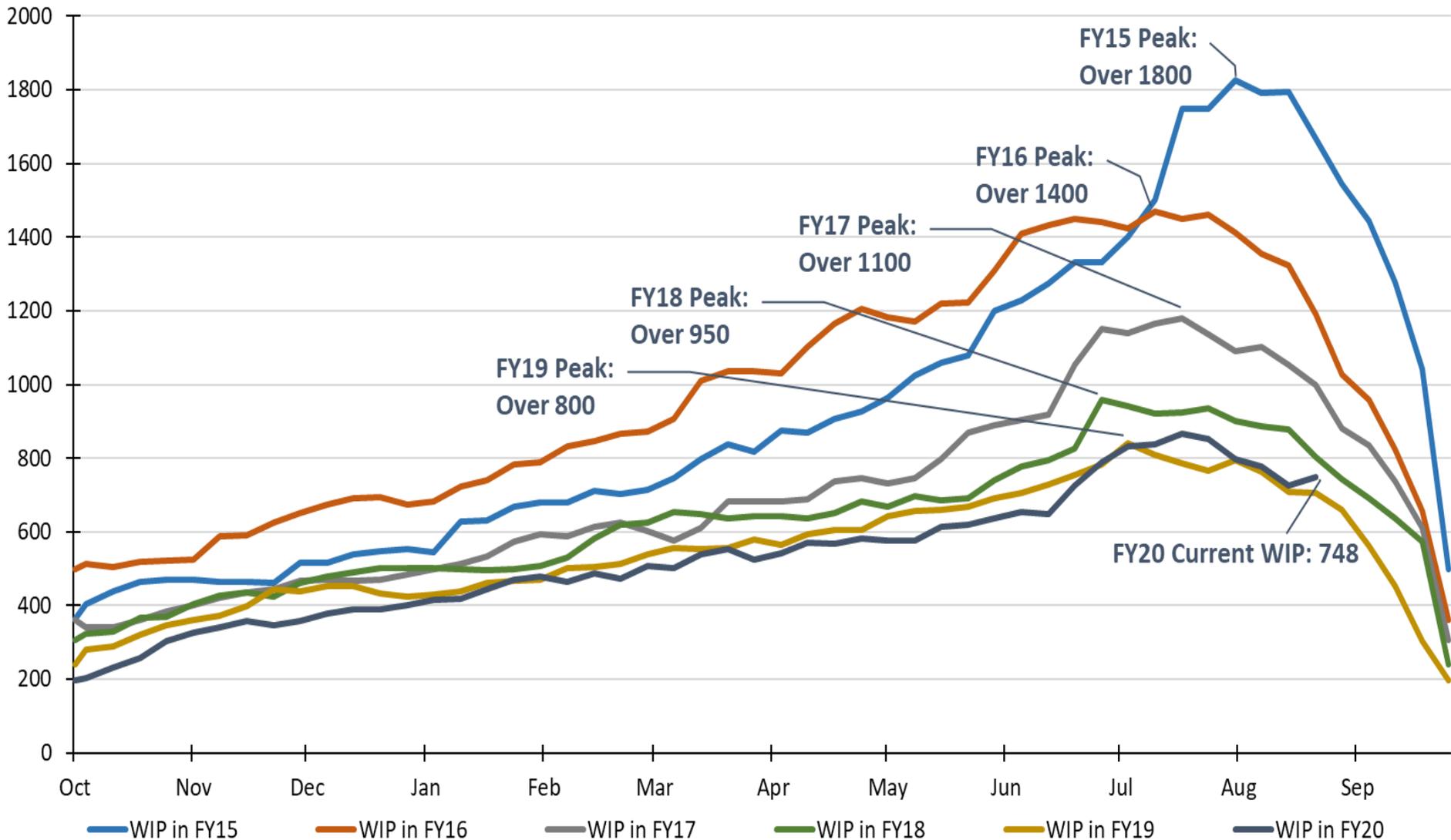
Awarded PRs





Week Ending	PRs Awarded			-	Obligated Funds		
	FY18	FY19	FY20		FY18	FY19	FY20
02/28/2020	86	73	64		\$25,150,938	\$33,390,650	\$24,069,586
03/06/2020	73	77	104		\$26,501,535	\$56,786,559	\$41,230,518
03/13/2020	99	83	76		\$40,010,268	\$22,421,217	\$61,701,565
03/20/2020	112	86	83		\$20,278,252	\$51,677,869	\$37,093,172
03/27/2020	105	83	111		\$38,140,808	\$28,734,966	\$90,813,739
04/03/2020	105	67	71		\$43,818,392	\$33,341,032	\$39,609,080
04/10/2020	78	91	72		\$28,695,017	\$55,577,110	\$54,904,132
04/17/2020	58	69	86		\$16,112,395	\$25,078,803	\$41,826,877
04/24/2020	57	69	78		\$17,874,381	\$16,017,740	\$39,249,452
05/01/2020	83	95	87		\$37,378,700	\$35,609,247	\$36,052,342
05/08/2020	70	64	88		\$28,019,068	\$20,803,617	\$37,413,381
05/15/2020	99	75	111		\$45,187,969	\$37,752,573	\$48,739,032
05/22/2020	79	95	89		\$30,285,720	\$58,780,250	\$36,401,790
05/29/2020	43	68	73		\$24,122,180	\$31,116,492	\$39,023,385
06/05/2020	84	96	77		\$38,013,377	\$49,964,352	\$48,890,668
06/12/2020	81	86	103		\$29,315,568	\$26,080,047	\$35,739,394
06/19/2020	73	80	71		\$24,154,909	\$35,194,576	\$37,369,228
06/26/2020	92	65	77		\$47,883,021	\$17,316,518	\$29,078,461
07/03/2020	90	61	76		\$30,506,679	\$25,720,044	\$39,695,941
07/10/2020	92	61	69		\$31,964,369	\$22,178,213	\$28,629,494
07/17/2020	88	91	71		\$44,343,896	\$50,454,056	\$49,506,751
07/24/2020	86	120	120		\$29,257,379	\$40,537,830	\$65,128,595
07/31/2020	116	106	141		\$46,599,439	\$49,523,565	\$64,015,625
08/07/2020	127	71	112		\$48,400,209	\$28,486,410	\$54,161,488
08/14/2019	116	120	132		\$47,034,401	\$55,030,688	\$36,351,891
08/21/2019	130	104	101		\$37,352,134	\$42,062,713	\$68,436,641
<b>Total:</b>	<b>2,322</b>	<b>2,156</b>	<b>2,343</b>		<b>\$876,401,002</b>	<b>\$949,637,138</b>	<b>\$1,185,132,230</b>

# Year-over-Year WIP Visualization





# Naval Information Warfare Center Atlantic Industry Forecast Report



# Naval Information Warfare Center Atlantic

## Fleet C4I and Readiness (PMW 100s and 700s) Division 221

Todd Rollins

# Fleet C4I and Readiness Forecast

Department	PR Number	Est Value	Contract Vehicle	RFP Pending	General Description	Small Business Set Aside Status
Fleet C4I & Readiness - Foreign Military Sales/Air Integration/Coast Guard Division	1300768933	>=\$100M, <\$250M	Seaport NxG	Sep-2020	USCG Sustainment Support	SBSA



# Naval Information Warfare Center Atlantic

## Expeditionary Warfare/ Enterprise Systems/Non-Department

### Division 222

### Erica Smoak

# Expeditionary Warfare (ExW) Forecast

Department	PR Number	Est Value	Contract Vehicle	RFP Pending	General Description	Small Business Set Aside Status
Expeditionary Warfare - Expeditionary Enterprise Systems and Services	1300870386	>=\$10M, <\$50M	Seaport NxG	Mar-2021	Systems Engineering, Automated Tools and Test Support	TBD
Expeditionary Warfare - Expeditionary Enterprise Systems and Services	1300847485	>=\$10M, <\$50M	Seaport NxG	Dec-2020	Cloud Transition and Modernization Technical Support	SBSA
Expeditionary Warfare - Expeditionary Intelligence Solutions	1300824611	<\$5M	Seaport NxG	Oct-2020	Technical Control and Analysis Center General Services Support	SDVOSB

# Expeditionary Warfare (ExW) Forecast

Department	PR Number	Est Value	Contract Vehicle	RFP Pending	General Description	Small Business Set Aside Status
Expeditionary Warfare - Expeditionary Intelligence Solutions	1300868974	>=\$50M, <\$100M	Seaport NxG	Mar-2021	Tactical Signals Intelligence (SIGINT) Collection System (TSCS)/Communication Emitter Sensing & Attacking System (CESAS)/Marine Air Ground Task Force Electronic Warfare Ground Family of Systems (MEGFoS) SCI	TBD
Expeditionary Warfare - Expeditionary Intelligence Solutions	1300788737	>=\$50M, <\$100M	Seaport NxG	Dec-2020	C4ISR Sustainment	TBD

# Enterprise Systems (ES) Forecast

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Nothing at this time

# Non-Department Forecast

Department	PR Number	Est Value	Contract Vehicle	RFP Pending	General Description	Small Business Set Aside Status
Office of the Command Information Officer - Command IT	1300813336	>=\$50M, <\$100M	Seaport NxG	Aug-2020	Network Services, Operations and Engineering Support for NIWC Atlantic	SBSA
Service Centers - 2.0 Service Center	1300769704	<\$5M	Seaport NxG	Dec-2020	NIWC Atlantic Wall-to-Wall Inventory Accuracy and Assurance Program to the NIWC Atlantic 4.0 Competency Warehouses, and to Integrated Product Teams (IPTs) Lab and Integration Spaces	SDVOSB



# Naval Information Warfare Center Atlantic

## Shore C2ISR and Integration Division 223

Audrey Orvin

# Shore C2ISR and Integration Forecast

Department	PR Number	Est Value	Contract Vehicle	RFP Pending	General Description	Small Business Set Aside Status
Shore C2ISR & Integration - Air Traffic Control Engineering	1300828637	<\$5M	Cyber Mission Systems, Kitting, and Supplies (CMS)	Sep-2020	Site UPS integration for AN-GPN-30 Digital Airport Surveillance Radar (DASR)	SBSA
Shore C2ISR & Integration - Air Traffic Control Engineering	1300820835	<\$5M	ATC Engineering and Technical Support	May-2021	Kuwait Towers Integration Services	UNRESTRICTED
Shore C2ISR & Integration - Command & Operations Ctrs	1300848449	>=\$10M, <\$50M	Cyber Mission Systems, Kitting, and Supplies (CMS)	Aug-2020	Provide Requirements, Design, Procurement, Installation & Testing support to projects across the COC Division	SBSA

# Shore C2ISR and Integration Forecast

Department	PR Number	Est Value	Contract Vehicle	RFP Pending	General Description	Small Business Set Aside Status
Shore C2ISR & Integration - Defense Health Information Technology	1300832779	>=\$100M, <\$250M	Seaport NxG	Oct-2020	Defense Health Enterprise Application and Desktop Virtualization Support	TBD
Shore C2ISR & Integration - Defense Health Information Technology	1300699433	>=\$100M, <\$250M	Seaport NxG	Jul-2021	Defense Health Readiness Engineering Support	TBD
Shore C2ISR & Integration - Defense Health Information Technology	1300846125	>=\$100M, <\$250M	Seaport NxG	Oct-2020	Defense Health Information Technology Engineering	TBD

# Shore C2ISR and Integration Forecast

Department	PR Number	Est Value	Contract Vehicle	RFP Pending	General Description	Small Business Set Aside Status
Shore C2ISR & Integration - Defense Health Information Technology	1300703695	>=\$100M, <\$250M	Seaport NxG	Jan-2021	Cybersecurity service provider services to include network monitoring, incident response and HBSS for Infrastructure, Platform and Software as a Service.	TBD
Shore C2ISR & Integration - Force Protection Solutions	1300821720	<\$5M	Seaport NxG	Oct-2020	Maintenance and sustainment of NAVCONBRIG Electronic Security Systems	UNRESTRICTED
Shore C2ISR & Integration - Force Protection Solutions	1300859910	>=\$10M, <\$50M	Seaport NxG	Oct-2020	Maintenance and Emergent Repair of Integrated Electronic Security Systems.	TBD

# Questions?



**Thank You for Attending  
Stay Well!**