Naval Information Warfare Center
ATLANTIC

Naval Information Warfare Center Atlantic

Fleet C4I and Readiness Department

69th Small Business Industry Outreach Initiative (SBIOI) Symposium

24 October 2024

Mr. Greg Lancaster, SSTM
Fleet C4I and Readiness Department Head

Mr. Travis Tillman
Fleet C4I and Readiness
Deputy Department Head (100s)

Mr. Kevin Gerald
Fleet C4I and Readiness
Deputy Department Head (700s)

Naval Information Warfare Center ATLANTIC

New FC4I Deputy Department Head (700s) — Kevin Gerald

- Native of Loris SC – married with two children
- Enlisted in US Navy out of high school, 9 years as Electronics Tech (communications systems)
  - USS Constellation (CV-64), Fleet Combat Training Center Pacific
- USC – Masters EE (still go to home games)
- Joined NIWC (SPAWAR) in 2003
  - New Ship Construction Project Engineer / Team Lead, NEWCON Shipbuilding CHENG
  - Enterprise Engineering and Certification
  - CHENG for Platform Installation and Integration Portfolio
  - Deputy Dept Head Business Financial Systems Portfolio, later Shore C2ISR Department Deputy
- Opportunity to rotate into Fleet C4I Deputy Position for PMW 700's and Fleet Installation Office in March 24

Naval Information Warfare Center ATLANTIC

700s

FLEET C4I & READINESS DEPARTMENT
Department Head
Gregory Lancaster, SSTM

FY24: 1,488.5 Gov/Mil FTEs
180 Programs / Projects
FY24 TOA: $1.667B

Deputy Department Head 100s
Travis Tillman

Deputy Department Head 700s, 01CA2
Kevin Gerald

Battle Space Awareness Division (PMW 120)	IA & Navy Cyber Security Division (PMW 130)	Navy Afloat Network & C2 Applications Div. (PMW 150/160)	Navy Afloat Transport & Navigation Division (PMW 170)
John Thompson	Jeff Sweeney	Chris Purdy	Robert James
Afloat Signals Exploitation Patrick Kistner	Navy Cyber Scott Bell	Tactical Networks SW Support Sabrina Keys	Afloat Transport Systems, Britt Lowery
Distributed Common Ground System-Navy (DCGS-N) Guy Miller	Network Security Wesley Hilderbrand	CANES Engineering Chris Thornley	Software Defined Radio, Michael F Johnson
Integrated Undersea Surveillance System (IUSS) Michael Glover	Crypto and Key Management Michael Johnson, Jr	TACNET Deployment Michael Aselin	Position, Navigation, & Timing (PNT) Jared Judy
	Multi Level Security Engineering (MLSE) Sonja McKelvey	Naval C2 John Meade	PNT ISEA Brandon Solis
			Radio Communications Tim Logan
			DISA SATCOM Astles, Mallory D

Foreign Military Sales/Air Integration/USCG Division (PMW 740)	Surface Ship Integration Division (PMW 750/760)	Submarine Integration Division (PMW 770)	Shore C4I Integration Division (PMW 790)
Martina Jackson	Mark Held	James Landreth	Mark Luther
NAVAIR FMS Barbara Clothier	Surface New Construction George Oakley	Submarine CWITT & SWFTS Modernization Michael Smith	Naval Messaging Laura Prause
TacMobile Jim Hadley	Large Deck New Construction Joe Nitz	Afloat Submarine C4I Krista Carter	Tactical Shore Systems Sharetta Maynor
US Coast Guard John White	Interior Communications Randy Freeman	Shore Submarine C4I John Aller	Unified Cap. Voice Solutions Kevin Thorpe
C4I Foreign Military Sales Laura Sheridan		Submarine Software and Tools Development Tanashia Scott	Secure Voice Solutions Wayne Lathrop

Department Program Manager– George Spellman
Deputy Department Program Manager– Ray Chappell

PMW 130/150/740/USCG Meagan Haga	PMW 750/ 760/ 770 Ray Bocook
PMW 120/ 160/ 790 Ray Bocook (Acting)	PMW 790 Ray Chappell
PMW 170/ 770/ FIR Div Stuart Shoup	

Fleet Installations and Response Division – Linda Reynolds
FIO Execution Manager – Dean L'Hoste

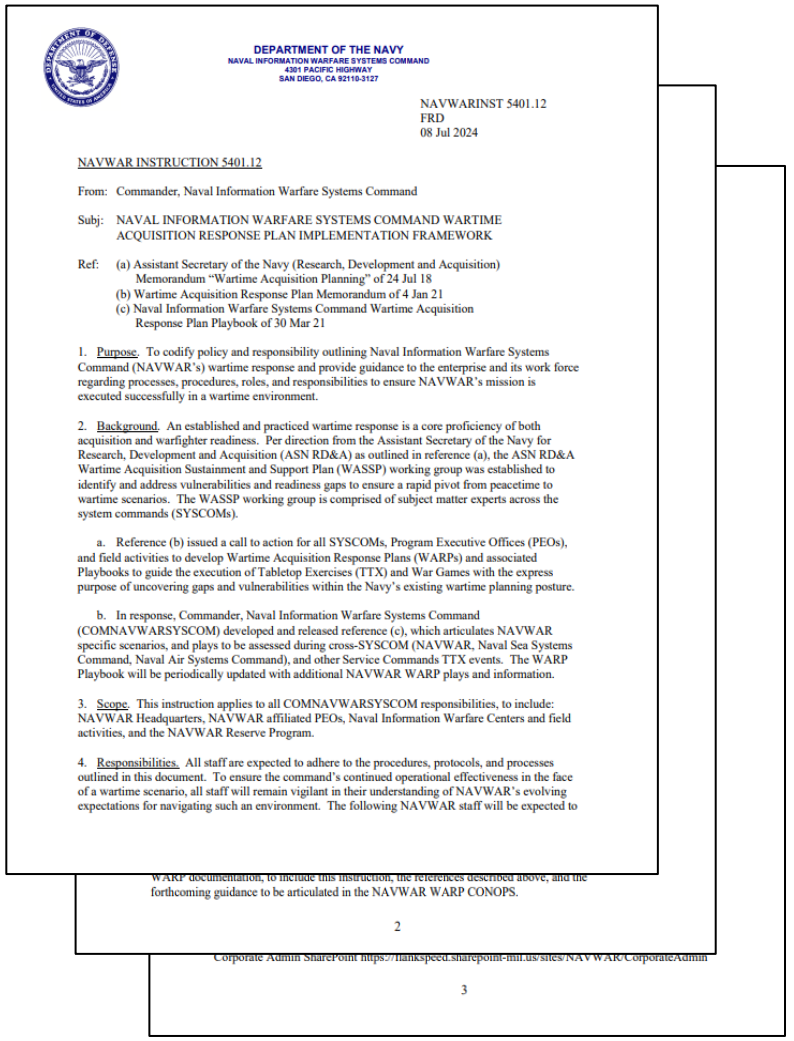
Fleet Support Office James Frankhouser	Submarine Mod. C4I Brian Toth
Surface Mod. Unit Level Ryan Jones	Shore Modernization Jeffrey Creson
Surface Mod. Force Level Greg Florence	

Blue = CHS
Red = Tidewater
Green = Other

Naval Information Warfare Center ATLANTIC

Wartime Acquisition Response Plan (WARP)

- Implementation Framework - Signed 8 July 2024 by RADM Small
- Applicable to NAVWAR Competencies, Business Units, and PEOs.
  - (1) Delegate representatives to assist with the development of the NAVWAR WARP CONOPS within 60 days of the release of this instruction.
  - (2) Develop delegation instructions for wartime contingency operations, which will be effective immediately upon the NAVWAR Commander (00)/ED declaring a wartime environment, within 90 days of the release of this instruction.
  - (3) Socialize the WARP CONOPS to all supporting staff and ensure all staff read and understand their respective roles, within 30 days of COMNAVWAR signature of that document.



DEPARTMENT OF THE NAVY
NAVAL INFORMATION WARFARE SYSTEMS COMMAND
4301 PACIFIC HIGHWAY
SAN DIEGO, CA 92110-3127

NAVWARINST 5401.12
FRD
08 Jul 2024

NAVWAR INSTRUCTION 5401.12

From: Commander, Naval Information Warfare Systems Command

Subj: NAVAL INFORMATION WARFARE SYSTEMS COMMAND WARTIME ACQUISITION RESPONSE PLAN IMPLEMENTATION FRAMEWORK

Ref: (a) Assistant Secretary of the Navy (Research, Development and Acquisition) Memorandum "Wartime Acquisition Planning" of 24 Jul 18
(b) Wartime Acquisition Response Plan Memorandum of 4 Jan 21
(c) Naval Information Warfare Systems Command Wartime Acquisition Response Plan Playbook of 30 Mar 21

1. Purpose. To codify policy and responsibility outlining Naval Information Warfare Systems Command (NAVWAR's) wartime response and provide guidance to the enterprise and its work force regarding processes, procedures, roles, and responsibilities to ensure NAVWAR's mission is executed successfully in a wartime environment.

2. Background. An established and practiced wartime response is a core proficiency of both acquisition and warfighter readiness. Per direction from the Assistant Secretary of the Navy for Research, Development and Acquisition (ASN RD&A) as outlined in reference (a), the ASN RD&A Wartime Acquisition Sustainment and Support Plan (WASSP) working group was established to identify and address vulnerabilities and readiness gaps to ensure a rapid pivot from peacetime to wartime scenarios. The WASSP working group is comprised of subject matter experts across the system commands (SYSCOMs).

a. Reference (b) issued a call to action for all SYSCOMs, Program Executive Offices (PEOs), and field activities to develop Wartime Acquisition Response Plans (WARPs) and associated Playbooks to guide the execution of Tabletop Exercises (TTX) and War Games with the express purpose of uncovering gaps and vulnerabilities within the Navy's existing wartime planning posture.

b. In response, Commander, Naval Information Warfare Systems Command (COMNAVWARSYSCOM) developed and released reference (c), which articulates NAVWAR specific scenarios, and plays to be assessed during cross-SYSCOM (NAVWAR, Naval Sea Systems Command, Naval Air Systems Command), and other Service Commands TTX events. The WARP Playbook will be periodically updated with additional NAVWAR WARP plays and information.

3. Scope. This instruction applies to all COMNAVWARSYSCOM responsibilities, to include: NAVWAR Headquarters, NAVWAR affiliated PEOs, Naval Information Warfare Centers and field activities, and the NAVWAR Reserve Program.

4. Responsibilities. All staff are expected to adhere to the procedures, protocols, and processes outlined in this document. To ensure the command's continued operational effectiveness in the face of a wartime scenario, all staff will remain vigilant in their understanding of NAVWAR's evolving expectations for navigating such an environment. The following NAVWAR staff will be expected to

WARP documentation, to include this instruction, the references described above, and the forthcoming guidance to be articulated in the NAVWAR WARP CONOPS.

2

Corporate Admin SharePoint https://flankspeed.sharepoint-mil.us/sites/NAVWAR/CorporateAdmin

3

Naval Information Warfare Center ATLANTIC

ISEA Response Table Top Exercise (TTX) Lessons Learned

- Escalating scenario to determine requirements and efficiencies for response to fleet equipment casualties
  - Used an escalating scenario format from normal steaming to kinetic engagement
    - Kept focus on event and process
  - We will still have means to continue to send personnel on travel
  - Need for an improved recall ability for response personnel
  - Need to establish a Fleet response cell for Command and Control (C2) of response and modernization efforts
  - Identified distinction between Command Contingency Operations and ISEA Fleet response efforts

Naval Information Warfare Center ATLANTIC

Multiple Other TTX Lessons Learned

Rapid Shipping/TRANSCOM for Material Movement

- How TRANSCOM will work
- Importance of Sea Transportation (air transport may not necessarily be the fastest)
- Ability to leverage point-to-point shipments (eg. Direct from contractor facility to point of TRANSCOM embarkation to include classified devices)

Rapid Acquisition

- DO/DX Ratings
  - By themselves DO ratings don't do much. However, the rest of the DoD is including DO ratings in orders.

Naval Information Warfare Center ATLANTIC

The SBIOI "So what" from WARP TTXs
Surge on Task Orders – Considerations

- Considerations to include for Task Orders that may support emergent needs:
  - Premium pay for contractors
  - Procurement of personal protective gear (body armor, helmets, linens, bedding, etc.)
  - Extended travel requirements.
    - Expect common modes of travel to be unavailable and travel time to significantly lengthen as a result of extraordinary world events.
  - Expedited passport fees
  - Medical/dental physicals
  - Deployment training (both virtual and In person)
  - Legal paperwork for the traveler
  - Premium life insurance
  - Provision for procurement of parts and services by subcontractor and third country nationals (rental services, rental equipment, etc.)
  - Personal communications devices (SATPHONE, STARLINK, etc.)
  - Extreme shipping materials costs

Naval Information Warfare Center ATLANTIC

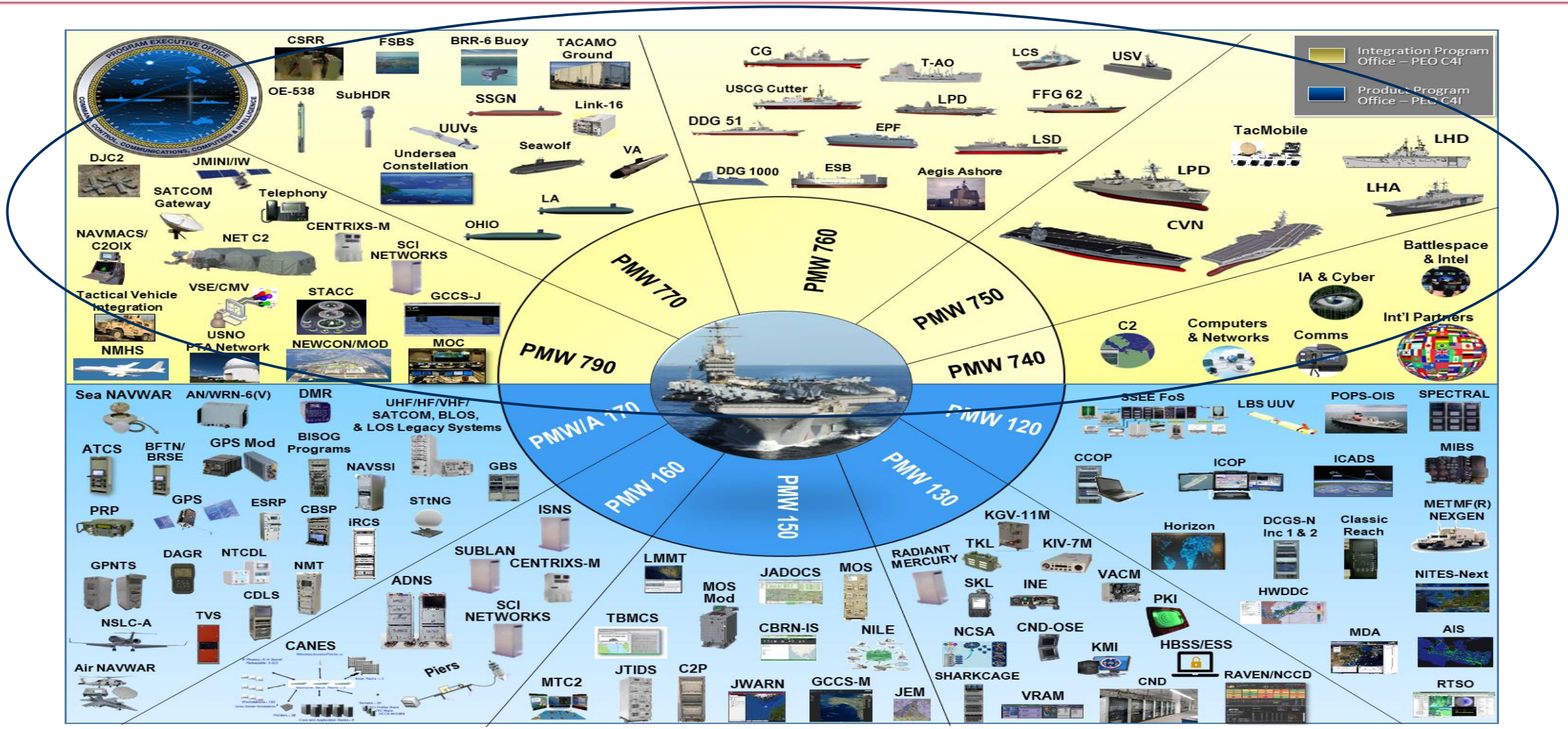
Department Priorities

Vision: To Deliver a Fleet Focused Information Warfare Advantage

- **Speed to Capability**
  - Modular Capability Upgrades
  - Continuous Capability Delivery
  - Smart Risk-Taking
  - Increase Fleet Operational Availability (A_o)
- **Quality On-Target Delivery**
  - DevSecOps
  - Cyber Resilient
  - Constantly Innovating
  - Designed for Installation and Sustainment
- **Fleet Centered Design**
  - Focus on needs of Sailor/Fleet
  - Sailor Self Sufficiency
  - Interoperable

Naval Information Warfare Center ATLANTIC

PEO C4I Portfolio - Platform PMWs



Naval Information Warfare Center ATLANTIC

PMW 740
FMS/Air Integration/USCG Division Overview

What We Do

- Delivers engineering, integration and lifecycle support of C4I systems for naval aviation platforms, Foreign Military Sales and USCG afloat, ashore, and mobile platforms.

Major Systems

- Tactical Mobile (TacMobile) – C4I Ground Support System for the Navy's Maritime Patrol and Reconnaissance Force (MPRF) Family of Systems (FoS)
  - Tactical Operations Center (TOC)
  - Mobile Tactical Operations Center (MTOC)
- C4I Foreign Military Sales (FMS) Systems
  - PMA/PMW 101, PMW 120, 150, 160, 170 Systems
  - Afloat and Ashore Integration
- United States Coast Guard (USCG) and Navy C5I Systems for USCG Acquisition and Sustainment Applications

FY24 TOA: $381.4M

Primary Customers

- USCG CG-9, CG-6, & C5ISC
- PEO C4I PMW 740/750/760
- NAVAIR PMA 290
- NAVSEA & PEOs

Support includes end-to-end Systems Engineering and Lifecycle Support.

Naval Information Warfare Center ATLANTIC

Upcoming Contract Development Efforts (1 of 4)

▼ USCG — Readiness, Integration, Technical and Engineering Services

- Provide 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. The execution of this tasking will require expertise in the areas of integrated logistics, program management, and engineering design, development, and sustainment. Support services include a full spectrum of integrated logistics, cybersecurity and information assurance, and sustainment and recapitalization for USCG equipment and systems.

- **Acquisition Strategy**
  - Seaport NxGen – SBSA
- **Solicitation/PID#**
  - N65236-24-RFPREQ-LSUBP00006-0001
- **RFP Estimated**: Q3 FY25
- **Estimated ROM**: >=$100M, <$250M
- **Contract award planned for**: Q2 FY26
- **Classification**: TS/SCI access
- **Location of performance**:
  - Contractor facilities
  - Government facilities in the following states/countries, including but not limited to:
    - Virginia, South Carolina, Florida, Maine, Hawaii, Alaska, Washington DC, Guam, California

Naval Information Warfare Center ATLANTIC

Upcoming Contract Development Efforts (2 of 4)

▼ USCG — Information Technology and Network Based Engineering

- Provide C5I Information Technology and Network-based communications, maintenance, and sustainment support on USCG Afloat, Ashore and Mobile platforms and associated USN platforms. This support encompasses program management, engineering, and technical services, including technical design and documentation, test and evaluation support, material procurement, system and component integration and implementation, equipment repair, and training.

- **Acquisition Strategy**
  - Seaport NxGen –TBD
- **Solicitation/PID#**
  - N65236-24-RFPREQ-LSUBP00006-0003
- **RFP Estimated**: Q2 FY25
- **Estimated ROM**: >=$100M, <$250M
- **Contract award planned for**: Q4 FY25
- **Classification**: TS/SCI access
- **Location of performance**:
  - Contractor facilities
  - Government facilities in the following states/countries, including but not limited to:
    - Virginia, South Carolina, Florida, Maine, Hawaii, Alaska, Washington DC, Guam, California

Naval Information Warfare Center ATLANTIC

Upcoming Contract Development Efforts (3 of 4)

TACMOBILE — Engineering, Integration and Installation Support

- Provide full system lifecycle support of multilevel security information systems from sustainment of the existing fielded configuration to developing and fielding of future capabilities for the TacMobile sites (USN, RAAF and FMS customers) including the activities related to foreign disclosure and releasability of the TacMobile system. The TacMobile design is flexible and modularized in order to support a myriad of Maritime Patrol Reconnaissance Force (MPRF) missions and operating environments.

- **Acquisition Strategy**
  - Seaport NxGen –Unrestricted
- **Solicitation/PID#**
  - N65236-23-RFPREQ-LSUBP00006-0122
- **RFP Estimated**: Q2 FY25
- **Estimated ROM**: >=$100M, <$250M
- **Contract award planned for**: Q4 FY25/Q1 FY26
- **Classification**: TS/SCI access
- **Location of performance**:
  - Contractor facilities
  - Government facilities in the following states/countries:
    - South Carolina; Maryland; Florida; Washington; Hawaii; Japan; Italy; Bahrain, Australia, United Kingdom, Norway, New Zealand, Korea, Germany, Canada, Japan, Iceland, Denmark, Saudi Arabia, Indonesia.

Naval Information Warfare Center ATLANTIC

Upcoming Contract Development Efforts (4 of 4)

NAVAIR FMS

- Provide full system lifecycle support of information systems for the sustainment and upgrades of the existing fielded ground support configuration, to include installation, training, configuration management, and International Site Support for the FMS P-3 aircraft efforts.

- **Acquisition Strategy**
  - Seaport NxGen – TBD
- **Solicitation/PID#**
  - N65236-23-RFPREQ-LSUBP00006-0143
- **RFP Estimated**: Q4 FY25/Q1 FY26
- **Estimated ROM**: >=$10M, <$50M
- **Contract award planned for**: Q2/Q3 FY26
- **Classification**: Secret
- **Location of performance**:
  - Contractor facilities
  - Government facilities in the following states/countries:
    - Maryland; South Carolina; Taiwan, South Korea, Germany; Canada, Pakistan, Japan

Naval Information Warfare Center ATLANTIC

Surface Ship Integration Division Overview

What We Do

- Reduce risk and increase efficiencies for C4I implementation on new construction surface ships through system integration in a land based C4I System Integration Facility using digital engineering techniques, physical radio room mockups, and test procedures.
- Deliver Interior Communications capabilities to the Navy by providing acquisition, engineering, logistics, installation, and lifecycle support.

Major Systems

- Shipboard Interior Communications
- C4I for Surface New Construction
- C4I for Large Deck New Construction
- Cooperative Engagement Capability (CEC)

Executes the advanced planning, engineering, integration and installation of C4I equipment on new-construction ships.

FY24 TOA: $128M

Primary Customers

- PEO C4I PMW 750
- PEO C4I PMW 760
- NAVSEA 05H & PEOs
- IWS 6.0
- Military Sealift Command
- Various USN Commands

Naval Information Warfare Center ATLANTIC

Surface Ship Integration Division
Interior Communications (IC) IPT

Program Office: NAVSEA 05H

IPT Lead: Randy Freeman

Mission: Deliver superior Interior Communications (IC) capabilities for the entire Navy Fleet. Provide the acquisition, engineering, logistics, and execution of projects. PEO Ships, PEO Carriers, PEO USC, NAVSEA05H, CNSF, MSC, AIRLANT, NAVAIR.

Projects

- **Integrated Voice Network** (IVN) - AN/STC-4
- **Integrated Voice Communication System** (IVCS)
- **Announcing**
- **Shipboard Air Traffic Control Communications** (SATCC)
- **Hierarchical Yet Dynamically Reprogrammable Architecture** (HYDRA)
- **Shipwide Interior Wireless Communication System** (SIWCS)
- **Video systems** (SITE TV)

Naval Benefits

The IC IPT delivers MAC 1 mission critical interior communications capabilities for the entire Navy Fleet. These systems provide the NAVY with communication systems that meet the ships and sailors operational mission requirements. Provides the acquisition, engineering, logistics, and execution of projects within IC COMMs IPT and overall Interior Communications Strategy.

Naval Information Warfare Center ATLANTIC

Surface Ship Integration Division
C4ISR System Integration Facility (C-SIF)

Focus

- Delivering superior integrated and interoperable C4I capabilities to the Navy and Military Sealift Command
- 45,000 sq ft reconfigurable facility
  - Open secret, Network and Over the air connectivity
- Risk Mitigation during the integration period early in the ship construction cycle
- Engineering design, and production of RCS and SESS racks integrating crypto and tactical variant switching capability
- Reconfigurable Bulkheads and Wireways IAW GFI
- Validation of stage 3 and 4 test procedures
- Incorporates Interactive Test Procedures (ITP)
- Completion of C4I spaces during SCN/RCOH
- Integrated logistics support

Ongoing Engineering Integration Efforts

- OUSV, LUSV, MUSV, CVN (SCN / RCOH) LHA, LPD, T-EPF, T-ESB, T-AO 205, T-ATS, LCU 1700, FFG, LAW

Other Supported efforts

- Cooperative Engagement Capability (CEC), Coast Guard, Multi-Media,

Future Efforts

- Scheduled T-ARC, LSM, AS(X), NGLS, LUSV, MUSV

The NIWC Atlantic command C-SIF provides a controlled environment to integrate, test, and deliver interoperable C4I system of systems capabilities to the Navy Force-Level, Unit-Level, and MSC/Auxiliary surface ships during new construction.
The C-SIF enables land based validation of C4I systems design and systems interoperability - development and refinement of GFI provided to the Shipbuilder during detailed design and allows for capability change within Government controls prior to GFE delivery.

Overall Naval Benefit:

Significantly reduces costs by integrating platform C4I in the C-SIF vice onsite at a shipyard.
Reduced risk to the shipbuilders critical path via C-SIF Integration & Validation Processes

Integration and Test

C-SIF

Design/ Engineering

Naval Information Warfare Center ATLANTIC

Surface Ship Integration Division
Surface New Construction IPT

Program Office: PEO C4I – PMW 760

IPT Lead: George Oakley

Mission: Surface NewCon IPT is focused on delivering superior integrated and interoperable C4I capabilities to U.S. Navy Unit Level Combatant, Sea Lift, Auxiliary, and Unmanned surface platforms.

Projects

- Future Ships
- USV (MUSV, OUSV, LUSV)
- LPD
- FFG
- DDG
- T-AO
- LCS
- EPF
- T-ATS
- LCU
- T-AGOS
- T-ARC
- AS(X)
- iRCS

Naval Benefits

The Ship Integration Program Office designs, integrates, tests and delivers interoperable, cyber-secure C4I end-to-end capabilities to our Naval Surface ships during New Construction and Modernization. PMW 760 employs system-of-systems engineering and configuration management processes to increase commonality in deployed C4I Baselines, reduce life-cycle costs and sustain the most effective capabilities for Fleet warfighters.

Naval Information Warfare Center ATLANTIC

Surface Ship Integration Division
Large Deck New Construction (LDNC) IPT

Program Office: PEO C4I – 750

IPT Lead: Joe Nitz

Mission: Large Deck NewCon IPT is focused on delivering superior integrated and interoperable C4I capabilities to Navy aircraft carriers and amphibious ships; CEC RMF assessment and cyber engineering

Projects

- **Ford Class CVN NewCon**
- **Nimitz Class CVN RCOH**
- **America Class LHA**
- **Cooperative Engagement Capability**
  - RMF Support, Support on IWRP efforts

Naval Benefits

Delivering integrated, joint and coalition-interoperable C4I capabilities to Navy aircraft carriers, force-level amphibious ships, command ships, and aircraft.

Naval Information Warfare Center ATLANTIC

Surface Ship Integration Division
Future Opportunities & Needs

- Technology
  - 5G integration into a shipboard environment
  - 5G interfaces on/off ship
  - Distributed Antenna Systems (DAS) for shipboard interior communications
- Digital Engineering
  - PTC Windchill PDML Systems Administrators, Users
  - Creo Parametric CAD users
- Training for Radio Communications Suites (RCS)
  - Overview for specific platforms
  - Operator manuals
  - Interactive courseware
  - Student instructor guides
- A major challenge in our industrial work force to support the C4I modernization and shipbuilding efforts. Retention and hiring in this area to maintain the Navy's goals and mission

Surface Ship Integration Division

Future Opportunities & Needs (cont)

- Shipboard Top Side advanced skill/experience, layout/placement, mounting, configuration, operation, maintenance in communication/data antennas for C4I systems.
- Skilled vendor in acquiring, rebuilding the electronic components of end of life C4I systems components.
- Assistance with our test equipment pool. Assess (LPD) PMS/MRC deck and identify all of the test equipment by SCAT code, then perform analysis where items overlap. Provide reporting that could be used to determine which legacy test equipment should be retired thereby reducing calibration costs and minor property burden.

Naval Information Warfare Center ATLANTIC

PMW 770
Submarine Integration Division Overview

What We Do

- Deliver C5I capabilities and support to the Navy's submarine and associated ashore comms infrastructure during new construction and modernization.

Major Systems

- Common Submarine Radio Room (CSRR)
- Submarine Operational Authority (SUBOPAUTH)
- Low Band Universal Communications System (LBUCS)
- Fleet Submarine Broadcast System (FSBS)
- Submarine Warfare Federated Tactical System (SWFTS)
  - Sonar, Combat Control, Imaging, Electronic Warfare, and Radar
- C5I System and Weapons Shipping, Handling, Launching Systems Integrated Test Team (CWITT)
  - Non Propulsion Electronic Systems (NPES)
  - Weapons, Shipping, Handling and Launchers

FY24 TOA: $212M

Primary Customers

- PEO C4I PMW 770
- NAVSEA & PEO SUB
- Fleet Type Commanders

Support includes antenna to weapon system integration, engineering, fielding, test, logistics, sustainment and Fleet support.

Naval Information Warfare Center ATLANTIC

Submarine Integration Division (PMW 770)
Future Opportunities & Needs

Future Opportunities/Growth

- Nuclear Command, Control and Communications-Naval (NC3-N)
  - Information handling, storage and distribution
  - Defense Industrial Base adherence and compliance with future policy
- Platform integration of SWFTS and C4I
  - System Engineering and Integration (SE&I)
  - Schedule Integration during Modernization for NPES (C5I)
- Columbia Class and SSN-X
  - Test and Evaluation, Logistics, Configuration Management, Information Security, Cyber Security, MBSE, etc.
- Submarine Software and Tools Development
  - Application development for Submarine Test Programs (Interactive Test Program – IPT)
  - Application development for Submarine Modernization Efforts (SM3)
  - Software development for Submarine Shore Based NC3 Communications

Where Industry can Help

- Match and deliver the Navy's demand for new technologies and equipment.
- Ensure the growth and health of technical knowledge and skills.
- Improve planning and communication. Keep lines of communication open, deliver on time.

Naval Information Warfare Center ATLANTIC

Upcoming Contract Development Efforts

Shore Sub C4I IPT, Shore Submarine Communications System (SSCS) Command, Control, Communications, Computers, & Intelligence (C4I) Technical Support

- This order is to provide systems engineering, technical, and management support services to the Program Manager, Warfare (PMW) 770 Program Office for Naval Information Warfare Center Atlantic (NIWC Atlantic). This support encompasses engineering analysis and technical support services required to support the Shore Submarine Communications Systems (SSCS) by providing component through system level engineering, technical and training support for modernization, sustainment and on-site technical support. (follow on to N65236-22-F-3001)

- **Acquisition Strategy**
  - Seaport NxGen – SBSA
- **Solicitation/PID#**
  - N65236-25-RFPRFQ-LSUBP00035-0001
- **RFP Estimated**: Q3/Q4 FY26
- **Estimated ROM**: >=$50M, <$100M
- **Contract award planned for**: Q2 FY27
- **Classification**: TS/SCI access
- **Location of performance**:
  - NIWC Atlantic Facilities
  - Government support facilities:
    - California, Virginia, Hawaii, South Carolina, Japan, Italy, Georgia, Washington

Naval Information Warfare Center ATLANTIC

PMW 790
Shore C4I Integration Division Overview

What We Do

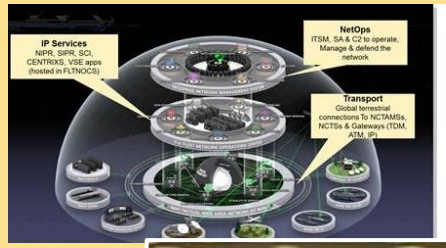
- Designs, integrates, tests and delivers interoperable C4I infrastructure to support naval afloat, sub-surface, air platforms and shore network communications.

Major Systems

- Shore Tactical Assured Command and Control (STACC)
- Naval Modular Automated Communications System II (NAVMACS II)
- Command and Control Office Information Exchange (C2OIX)
- Unified Capabilities Voice Solutions
- VINSON ANDVT Crypto Modernization (VACM)
- Automated Digital Network System (ADNS) Voice
- Defense Red Switch Network (DRSN)

Primary Customers

- PEO C4I PMW 790
- NAVIFOR & other PEOs



FY24 TOA: $110M

Primary Customers

- PEO C4I PMW 790
- NAVIFOR & other PEOs

Support includes integration of voice, video and data across shore infrastructure supporting deployed warfighters.

Naval Information Warfare Center ATLANTIC

Shore C4I Integration Division (PMW 790)

Future Opportunities & Needs

- **Future Opportunities/Growth**
  - DevSecOps
  - MBSE
  - 5G Technology
  - Automated Patching/IA compliance (push technology)
  - Software Defined Networking and Software Networks
  - Proactive Sustainment techniques

- **Where Industry can Help**
  - Capabilities needed:
    - Cloud Architecture
    - Containerization
    - Agile Scrum
    - Endpoint Security Solution (ESS)

Naval Information Warfare Center ATLANTIC

Upcoming Contract Development Efforts

Tactical Shore Systems (TSS) Lifecycle Support

- Provide engineering, integration and sustainment support for Tactical Shore IP networks and all systems under the ShoreNet CB-ISEA. Activities include technical, engineering, cyber, logistics and modernization support.

- **Acquisition Strategy:**
  - Seaport NxGen - SBSA
- **Solicitation/PID#**:
  - N65236-23-RFPREQ-LSUBP00015-0002
- **RFP Estimated:** Q1 FY25
- **Contract award planned for:** Q2 FY25
- **Estimated ROM:** >=$100M, <$250M
- **Classification:** TS/SCI access
- **Location of performance:**
  - Contractor facilities
  - Government facilities in the following states/countries:
    - South Carolina, Virginia, San Diego, Hawaii

Naval Information Warfare Center ATLANTIC

Fleet Installation and Readiness Division Overview

What We Do

- Provide fleet modernization after new platform delivery through the FRD Installation Office (FIO) and direct fleet technical sustainment support through the Fleet Support Office (FSO) partnering with the Capability-Based ISEAs (CB-ISEA).

Major Systems

- C4I Surface Modernization
- C4I Shore Modernization
- C4I Submarine Modernization
- Fleet Support Services

Primary Customers

- NAVWAR FRD 100, 200
- PEO C4I PMWs
- NAVSEA PEOs
- Numbered Fleet Commanders, TYCOMs, and ISICs

FY24 TOA: $330M

Primary Customers

- FRD 100
- FRD 200
- NAVSEA & PEOs
- NAVSUP

Support Fleet Modernization and Sustainment.

Naval Information Warfare Center ATLANTIC

Fleet Installation and Readiness Division (FIRD)

Future Opportunities & Needs

Future Opportunities/Growth

- DevSecOps
- Data analysis and digitalized reporting supporting modernization and sustainment execution
- Predictive AI
- Automated Scheduling
- Proactive Sustainment techniques

Where Industry can Help

- Match and deliver the Navy's demand for new technologies and equipment
- Develop and retain a skilled workforce
- Deliver on time

Naval Information Warfare Center ATLANTIC

Questions?

Mission:

Conduct research, development, prototyping, engineering, test and evaluation, installation, and sustainment of integrated information warfare capabilities and services across all warfighting domains with an emphasis on Expeditionary Tactical Capabilities & Enterprise IT and Business Systems in order to drive innovation and warfighter information advantage.

Vision:

WIN THE INFORMATION WAR.

Follow us on Social Media
Search "NAVWAR"

Listen to NIWC Atlantic's Technically Speaking podcast on your favorite podcast apps!

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

https://www.niwcatlantic.navy.mil

CHIPS Magazine (navy.mil)