CNO Priorities

Chief of Naval Operations
Admiral John M. Richardson

Priorities

- **Strengthen Naval Power at and from sea:** Maintain a fleet that is trained and ready to operate and fight decisively.

- **Achieve high velocity outcomes:** Apply the best concepts, techniques and technologies to accelerate learning.

- **Strengthen our Navy team for the future:** Create a climate of operational excellence that will keep us ready to prevail in all future challenges.

- **Expand and strengthen our network of partners:** Deepen operational relationships with other services, agencies, industry, allies and partners.
PEO C4I/Space Systems Framework

Deliver threat-based C4I and Space system capabilities to enable the Fleet to compete, deter and win – tonight

▼ Priorities

- Deliver warfighting capability – Equip our warfighters for victory
- Empower our workforce – Deliver what we promise
- Strengthen partnerships – Expand and build upon our internal and external partnerships

▼ Focus Areas

- **Speed**: We will acquire, test, install and field capability at the speed of technology
- **Affordability**: We will get the most capability out of every dollar spent
- **Interoperability**: Our systems will work together across all domains providing combined forces decisive advantage
- **Capability**: We will develop, test, field and train at the capability level
Information Warfare Digital Execution Plan (IWDEP) — Enabling a Digital War Fighter

- Seven mutually reinforcing lines of effort
- Digital transformation defined by threshold and objective end states
- Commercial best practices, warfighter focused
- Technical and Governance oversight

Enables

Provides framework of technologies and processes
Synchronizes programs into coordinated IW effects
Enterprise approach to operationalize C2C24, and enable the Naval Tactical Grid as well as Distributed Maritime Operations

C2C24

Statement A: Approved for public release; distribution is unlimited (03 July 2019)
Fleet C4I & Readiness Department
Thrust Areas

Thrust Area 1: Tactical Cyber Warfare Solutions
Key Technology Areas: Cyber Warfare, Big Data Technologies

Goal: Deliver cyber warfare solutions at the speed of technology innovation to enable the Fleet to defend tactical networks and provide offensive cyber warfare capabilities (apps/tools).

Thrust Area 2: Navy Tactical Software Development
Key Technology Areas: Big Data Tech, Cloud Computing

Goal: Enable modern IT Service Delivery technologies including system and network virtualization and cloud based solutions afloat as the Navy’s Tactical Cloud Software Developer.

Thrust Area 3: Integrated C4I Solutions
Key Tasks: Design, Integration, Production, Installation, Test & Evaluation

Goal: Leverage Ship New Construction C4I engineering, design, integration and installation expertise to deliver state of the art information Warfare capabilities to the Fleet.

Thrust Area 4: Electromagnetic Maneuver Warfare
Key Technology Areas: Big Data Technologies, Cloud Computing, Cyber Warfare, Assured Communications

Goal: Lead and provide critical engineering resources to Electromagnetic Maneuver Warfare/Integrated Fires (EMW/IF) architecture and system development.

Thrust Area 5: Assured Position, Navigation & Timing
Key Technology Areas: Cyber Warfare, Big Data Technologies, Assured Communications

Goal: Position to be the Navy’s technical Subject Matter Experts in Maritime Assured Position, Navigation and Timing (PNT) by focusing on projects that ensure continuous and reliable PNT.

Statement A: Approved for public release; distribution is unlimited (03 July 2019)
803 awarded Contract Actions totaling $417.1M in Obligations to date

<table>
<thead>
<tr>
<th>Contract</th>
<th>Service</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMW 120</td>
<td>39</td>
<td>35</td>
</tr>
<tr>
<td>PMW 130</td>
<td>11</td>
<td>23</td>
</tr>
<tr>
<td>PMW 150</td>
<td>20</td>
<td>32</td>
</tr>
<tr>
<td>PMW 160</td>
<td>19</td>
<td>12</td>
</tr>
<tr>
<td>USS Secure/PEO E2C</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>PMW 170</td>
<td>62</td>
<td>14</td>
</tr>
<tr>
<td>FRD</td>
<td>178</td>
<td>65</td>
</tr>
<tr>
<td>PMW 750/760</td>
<td>57</td>
<td>43</td>
</tr>
<tr>
<td>PMW 770</td>
<td>43</td>
<td>12</td>
</tr>
<tr>
<td>PMW 790</td>
<td>46</td>
<td>11</td>
</tr>
<tr>
<td>FMS / AI / USCG</td>
<td>31</td>
<td>42</td>
</tr>
</tbody>
</table>
Industry Assistance Needed From PEO C4I Focus Areas

**Speed:** In acquiring, testing, installing, and fielding capability at the speed of technology

- We need to get faster, much faster, on our delivery of integrated capability

**Affordability:** In achieving the most capability from every dollar spent

- Should Cost Savings
- Integrated Project Management, Earned Value
- Infrastructure/Business Practice Cost
- Buys more capability for the warfighter
Industry Assistance Needed (cont’d)

**Interoperability:** In ensuring that our systems work together across all domains providing combined forces decisive advantage

- Continuing to build on the capability of our E2C Lab and Virtual Hosting Environment (VHE)
- Leveraging DevOps in Software Development
- Continuing to support and develop the Digital Transformation Roadmap

**Capability:** In developing, testing, fielding, sustaining, and training at the capability level

- Changing our acquisition view from POR focus to Capability focus
- Continuing to mature the CB–ISEA construct

Speed — Affordability — Interoperability — Capability — Workforce — Capacity — Awareness
Industry Assistance Needed (cont’d)

**Workforce:** In continuing the development of a talented workforce that is agile and able to quickly adapt to new priorities

- Technical workforce skilled in the cutting edge technologies to solve warfighter problems
- Ensure that Cybersecurity Workforce (CSWF) skills are readily available

**Capacity:** In ensuring “Headroom/Bandwidth” is available to support the Lab projects

- Expected increase in funding will provide an opportunity to accelerate the development and fielding of our capabilities
Awareness: Understand the complex Cyber Threats facing the DoD and Industry Partners

- Industry Partners should be using the NIST Cybersecurity Framework in the execution of their work
Statement A: Approved for public release; distribution is unlimited (03 July 2019)
Agenda

▼ Integrating 700s PMWs

- FMS/NAVAIR/USCG (PMW 740)  Rick Pass
- SCN Integration (PMW 750/760)  Mark Held
- Submarine Integration (PMW 770)  Dave Bednarczyk
- Shore Integration (PMW 790)  Mark Luther
- Fleet Installations and Response  John Mark Hall

▼ Product 100s PMWs

- ISR/IO (PMW 120)  John Thompson
- Navy Cybersecurity (PMW 130)  Dave Johnson
- Maritime C2 (PMW 150)  Gary Miller
- Afloat Networks (PMW 160)  Bob Rozar
- Navy Communications (PMW 170)  Joe Sisti
FMS/Air Integration/USCG Division (PMW 740) Overview

▼ What We Do
- Delivers engineering, integration and lifecycle support of C4I systems for Naval Aviation platforms, Foreign Military Sales and USCG ships.

▼ Major Systems
- TacMobile Tactical Operations Center (TOC) / Mobile Tactical Operations Center (MTOC)
- Broad Area Maritime Surveillance – Demonstrator (BAMS-D) Tactical Auxiliary Ground Station
- C4I Systems Foreign Military Sales (FMS)
- USCG ship new construction and modernization

▼ FY19 TOA: $204,289,552

▼ Primary Customers
- PEO C4I PMW 740/750/760
- NAVAIR, NAVSEA & PEOs
- U.S. Coast Guard

Support includes end-to-end Systems Engineering and Lifecycle Support.
Future Opportunities/Growth

- Cybersecurity Compliance and DIACAP conversion to Risk Management Framework (RMF)
- Designing and Incorporating Security Requirements in Development (DEVSECOPS)
- Designing and Implementing Controls for Network Virtualization
  - Consolidating Core Network Enterprise Services
  - Software Defined Networking (SDN) and Software Defined Infrastructure (SDI)
  - Application Container Microsegmentation
- Virtual Identity Services

Where Industry Can Help

- Technology
- Solutions
- Professionals
Surface Ship Integration Division (PMW 750/760) Overview

▼ What We Do

- Provide the engineering necessary for integrating C4I systems into a shipboard applications aboard US Navy, MSC, and USV

▼ Major Systems

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

▼ FY19 TOA: $108,327,579

▼ Primary Customers

- PEO C4I PMW 750
- PEO C4I PMW 760
- NAVSEA & PEOs
- Military Sealift Command
- Various USN Commands

Executes the advanced planning, engineering, integration and installation of C4I equipment on new-construction ships.
Surface Ship Integration Future Opportunities — Challenges Where Industry Can Help

Future Opportunities/Growth

- Establishment of a Collaborative Engineering Environment - connecting to the Digital Thread
- Wireless technology for interior communications
- Communications Automation
- integrated Radio Communications Suite (iRCS)
- Autonomous, Unmanned and Optimally Manned C4I systems, applications and C4I Systems Architecture

Where Industry Can Help

- Technologies to enable transition to a virtual engineering / integration environment
- Migration of workforce digital production
- Introduction to innovative testing strategy and tools
- Use of wireless technology in secure spaces
- Wearable, Secure Video Voice and Telephony
- Next Gen-Turnkey
- Standardization of Platform Interfaces
Submarine Integration Division (PMW 770) Overview

▼ What We Do
- Delivers C5I capabilities and support to the Navy’s submarine and associated ashore communications infrastructure during new construction and modernization.

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

▼ FY19 TOA: $116,794,810

▼ 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.
Future Opportunities/Growth

- Advanced Simulated Training System
- 3-D technologies
- Simulated Tactile Applications
- Development of Engineering Tools for C5I T&E
- Cyber Security/Information Assurance

Where Industry Can Help

- Technology
- Solutions
- Professionals
Shore C4I Integration Division (PMW 790)
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)
▪ Unified Capabilities Voice Solutions
▪ Defense Red Switch Network (DRSN)
▪ Maritime Operations Center (MOC)
▪ Command and Control Office Information Exchange (C2OIX)
▪ Automated Digital Network System (ADNS) Voice
▪ United States Naval Observatory (USNO) Precise Timing and Astrometry (PTA) Networks

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

▼ FY19 TOA: $66,344,807

▼ Primary Customers

▪ PEO C4I PMW 790
▪ NAVIFOR & other PEOs
Future Opportunities/Growth

- Automated Patching/IA compliance (Push technology)
- Cloud
- DEVOPS
- Cybersecurity Compliance to include Risk Management Framework (RMF)
- Telephony migration from Time Division Multiplexing (TDM) services to IP
- End-to-end secure voice/video communications across IP converged networks
- Bandwidth Efficient Voice Gateway

Where Industry Can Help

- Technology
- Solutions
- Professionals
C4I Modernization & Readiness Division

Overview

▼ What We Do

- Provide direct Fleet support after new platform delivery through the Fleet Support Office (FSO), Fleet modernization through the Installation Execution Office, and Fleet sustainment of system performance through the In-Service Engineering Agent (ISEA). Provide 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

▼ FY19 TOA: $355,921,931

▼ Primary Customers

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

Support Fleet Modernization and provide In-Service Engineering Support.
Future Opportunities/Growth

- Afloat and Ashore C4I installation engineering
- Integrated testing approaches prior to installation

Where Industry Can Help

- Design for “install ability”
- Execution of operations in a degraded communications environment
Battlespace Awareness Division (PMW 120) Overview

▼ What We Do
- Deliver intelligence and information operations data, products and services that provide Information Warfare solutions for the fleet.

▼ Major Systems
- PMW-120
  - Distributed Common Ground System – Navy (DCGS-N),
  - Integrated Imagery & Intelligence (I3) Project - IMINT
  - Ship’s Signal Exploitation Equipment (SSEE)
  - Cryptologic Carry-On Program (CCOP)
  - Automated Identification System (AIS)
  - Joint Tactical Terminal – Maritime (JTT-M)
  - AN/URC-148 (V)
- PMS-485
  - Integrated Undersea Surveillance Systems (IUSS)

▼ FY19 TOA: $81,192,285

▼ Primary Customers
- PEO C4I PMW 120 Battlespace Awareness and Information Operations
- Fleet Readiness Directorate (FRD)
- NAVSEA & PEOs
- PMS 485 Maritime Surveillance Systems

ISR/IO systems, engineering services, and support to the Fleet.
Future Opportunities/Growth

- Cybersecurity Compliance to include Risk Management Framework (RMF)
- Innovation for Electromagnetic Maneuver Warfare (EMW) and Cyber Exploitation
- Intelligence Community Data Flows
- Data Analytics for System Health & Status
- Artificial Intelligence
- Antenna Technology

Where Industry Can Help

- Technology
  - Emerging EMW technologies for SIGINT, Multi-INT, & IMINT
  - Remote System Health & Status Tools

- Solutions
  - Gov’t Cloud Security
  - Data Flow in limited bandwidth environment

- Professionals
  - Gov’t Cloud experience on all enclaves
  - Cyber accreditation using RMF
  - Experienced SIGINT, Multi-INT, & IMINT In-Service Engineering Activity (ISEA) professionals for Afloat Platforms
IA & Navy Cyber Security Division (PMW 130)
Overview

▼ What We Do
- Rapidly deliver cyber security products and services to ensure continued protection of Navy and joint information, tele-communications and information systems.

▼ Major Systems
- Computer Network Defense (CND)
- Serial Crypto
- Electronic Key Management System (EKMS)
- Key Management Infrastructure (KMI)
- Public Key Infrastructure (PKI)

▼ FY19 TOA: $72,439,450

▼ Primary Customers
- PEO C4I PMW 130

Support includes products and services to ensure strong authentication, data integrity, confidentiality, non-repudiation and availability of network resources and information.
Future Opportunities/Growth

Technology Gap Areas:

- **Security Software Update Capability:**
  Provide cloud based automated scanning and patching to endpoint systems that will mitigate security vulnerabilities in a bandwidth limited environment.

- **Cyber Operations over Information limited Links:**
  Develop aggregation and compression techniques that will provide continuous support of CDE.

- **Secure Information Exchange:**
  Provide an innovative cryptographic device that allows short-range joint tactical information exchange

- **Secure Data as a Service (SDaaS):**
  Provide a more robust security infrastructure for the cloud that is cost effective for the DON.

- **Modeling Insider Threat Profile:**
  Improve detection and mitigation of hostile insider activities to prevent exfiltration of data during peace, wartime, and/or high-tension period to reduce false detection.

Where Industry Can Help

- **HBSS/ACAS expertise**
- **Essential to include HBSS and ACAS compliance in the system prior to testing and deployment**
- **Understand our Cyber Security Environment and bring processes/tools to the task order.**
- **Provide cost effective alternatives to vendor specific professional services such as SPLUNK, CISCO, and JUNIPER, which are product lines utilized in current Navy C4I systems.**
- **Get advanced training and develop stable of personnel OEM certified**
- **Become certified reseller of professional services for these OEM’s**
- **Provides suggested approaches in future SBOI or reverse industry panels**
- **Look where these can be offered to NIWC as Commercial items vice services for quick reaction or ad hoc support**
- **Technology solutions**
- **Professionals**
What We Do
- Deliver and sustain Command and Control (C2) products and services to naval warfighters.

Major Systems
- Naval Tactical Command Support Systems (NTCSS)
- Maintenance Figure of Merit (MFOM)
- Global Command and Control Systems–Maritime (GCCS-M)
- Global Command and Control System–Joint (GCCS-J)
- Global Theater Security Cooperation Management Information System (G-TSCMIS)
- Air Defense System Integrator (ADSI)
- LINK-11
- Afloat Readiness Reporting System (ARRS)
- Link Monitoring and Management Tool (LMMT)
- Naval Air Operations Command and Control (NAOC2)

FY19 TOA: $53,579,229

Primary Customers
- PEO C4I PMW 150
- Fleet Readiness Directorate (FRD)
Future Opportunities/Growth

- Develop, Maintain and Test Cloud-based Enterprise System solutions with disconnected operational requirements
- Compile to Combat in 24 Hours (C2C24)
  - Naval Operational Support System (NOSS)
  - Naval Aviation Maintenance System (NAMS)
  - Naval Operational Maintenance Environment (NOME)
- DEVOPS Infrastructure and process automation
  - Defense Intelligence Information Enterprise (DI2E)

Where Industry Can Help

- Develop Cloud-based DEVOPS infrastructures and automated processes for software development, testing, configuration management, builds and deployment. (Windows and Unix)
- Identify and develop processes and products to automate regression testing during software development
- Identify methods to monitor and report systems’ heath and measure system/component tripwires
- Identify ways to reduce the number of CASREPs and Fleet Support issues
- Automate SOVT execution and reporting to exercise remote installations.
What We Do

- Rapidly deliver integrated wide area, local networking and foundation computing systems products and services to naval warfighters.

Major Systems

- Consolidated Afloat Network Enterprise Systems (CANES)
- Automated Digital Network System (ADNS)
- Integrated Shipboard Network Systems (ISNS)
- Combined Enterprise Regional Information Exchange System (CENTRIXS)
- Core Enterprise Services (CES)
- Application Integration

FY19 TOA: $46,028,949

Primary Customers

- PEO C4I PMW 160
- Fleet Readiness Directorate (FRD)

Support includes delivering effective, robust and cost-efficient networks for Navy tactical forces.
Future Opportunities/Growth

- DevOps, SecDevOps
- SoS Integration
- Cybersecurity Compliance to include Risk Management Framework (RMF)
- COTS Software, Automation, Integration, Installation and Sustainment
- Software Defined Networking and Software Networks
- Proactive Sustainment
- Systems Management

Where Industry Can Help

- Technology
- Solutions
- Professionals
Navy Afloat Transport & Navigation Division (PMW 170) Overview

What We Do
- Rapidly deliver assured, resilient communications and Position, Navigation and Timing (PNT) products and services, to enable information warfare capabilities for maritime. Provide Subject Matter Experts (SMEs), Test and Acquisition Support for waveforms being developed for use within the battlefield.

Major Systems
- Navy Multiband Terminal (NMT)
- Global Broadcast System (GBS)
- Commercial Broadband Satellite Program (CBSP)
- Digital Modular Radio (DMR)
- Battle Force Tactical Network (BFTN)
- GPS-based Positioning, Navigation and Timing Service (GPNTS)
- Inertial Navigation Systems (INS)
- Alternatives to GPS in a Denied Environment
- Network Tactical Common Data Link (NTCDL)
- Mid-tier Networking Vehicular Radios (MNVR)
- Airborne, Maritime, Fixed Station (AMF)

FY19 TOA: $100,502,544

Primary Customers
- PEO C4I PMW 170
- Fleet Readiness Directorate
- PEO C3T (PM Tactical Radios; PM Network Enablers)
- PEO Missiles and Space
- PEO IWS 6
- PEO SUBS

Support includes MILSATCOM and COMSATCOM engineering services and support to the Fleet.

Statement A: Approved for public release; distribution is unlimited (03 July 2019)
Future Opportunities/Growth

- SATCOM Systems
- Software Defined Radio Systems
- PNT Systems
  - Alternative positioning systems and methods in GPS denied environment
  - Alternative Navigation systems and methods relying on passive and/or organic platform sensors

Where Industry Can Help

- Expertise in Commercial Shipboard Communications Systems
- Expertise in Military Shipboard Communications Systems
- Expertise in Commercial Shipboard Position and Navigation Systems
- SATCOM modem expertise
- Troubleshooting advanced SATCOM systems.
- Software development wrt Software Defined Radio Systems
- New SATCOM technology that could transformational to the existing systems.
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/spawar/Atlantic  Facebook: https://www.facebook.com/spaceandnavalwarfaresystemscommand
Glassdoor: https://www.glassdoor.com/Overview/Working-at-SPAWAR-Systems-Center-Atlantic-E1_IE638508.11,41.htm
SPAWAR Contract Directorate Office: https://e-commerce.sscno.nmci.navy.mil

Statement A: Approved for public release; distribution is unlimited (03 July 2019)
Further information
Fleet C4I & Readiness Department Mission

The Fleet C4I & Readiness Department delivers:

- Engineered (Design, Develop, and Test) new C4ISR capabilities that give our Fleet an advantage over adversaries.
- Integrated C4ISR systems into the US Navy’s newest and most advanced ships and submarines.
- Installed C2, Intel, Communications, Networks, and Applications for the Fleet. C4ISR systems integrated into the US Navy’s newest and most advanced ships and submarines.
- Supported Fleet C4ISR Systems to maintain Operational Availability and Lifecycle Engineering.

We are the solutions provider for mission critical information warfare!
Fleet C4I and Readiness Department

Fleet C4I and Readiness Divisions
Ensuring Information Warfare superiority through collaboration, alignment and engineering excellence.

- Battlespace Awareness Division
- Information Assurance and Navy Cybersecurity Division
- Command and Control and Afloat Applications Division
- Navy Afloat Transport and Navigation Division
- Foreign Military Sales / Air Integration / Coast Guard Div.
- Navy Afloat Networks Division
- Surface Ship Integration Division
- Submarine Integration Division
- Shore C4I Integration Division
- C4I Modernization and Readiness Division

Engineer C4ISR capabilities for critical tactical systems:
- CANES, Computer Network Defense systems, Cryptologic Carry-On Program, SSEE, Software Defined Radios

Integrate and Install modernized C4ISR systems into ships, submarines and supporting shore stations

Engineer and support satellite and inertial navigation systems

Support Fleet C4ISR systems to maintain Fleet Readiness

Major Sponsors
- PMW 120
- PMW 130
- PMW 150
- PMW 160
- PMW 170
- PMW 740
- PMW 750/760
- PMW 770
- PMW 790
- FRD
- NAVSEA
- NAVAIR
- USCG
- Fleet Cyber
- Numbered Fleets

Jul 9
CENTRIXS Support for COMSUBPAC – RIMPAC 2018
SSN 774 Class Submarines
Configured, delivered and supported CENTRIXS Fly Away Kits on USS Hawaii and USS Illinois

Statement A: Approved for public release; distribution is unlimited (03 July 2019)
Fleet C4I & Readiness Department (PMW 700s)

Travis Tillman, Deputy

FMS (PMW 740)/NAVAIR/USCG – R. Pass
- NAVAIR FMS
- TacMobile
- USCG
- C4I FMS

Surface (PMW 750/760) – M. Held
- Surf NewCON
- Large Deck NewCON
- Interior Comms
- Multi Media

Subsurface (PMW 770) – D. Bednarczyk
- Sub CWITT and SWFTS Modernization
- Afloat Sub C4I
- Shore Sub C4I

Shore (PMW 790) – M. Luther
- USNO Networks
- Naval Messaging
- Tactical Shore Systems
- Unified Capabilities Voice Solutions
- Secure Voice Solutions

DESIGN, INTEGRATION, PRODUCTION and SUSTAINMENT

Statement A: Approved for public release; distribution is unlimited (03 July 2019)
Fleet C4I & Readiness Department
C4I Modernization & Readiness Division

John Mark Hall, Division Head

C4I Modernization & Readiness

- Fleet Support Office – Linda Reynolds
- FRD Installation Office – Len Little
- Fleet Support Services
- Radio Communications
- PBL-O North
- Surface Modernization Unit Level
- Surface Modernization Force Level
- Submarine Modernization C4I
- Shore Modernization

FIELD AND SUSTAIN C4I CAPABILITIES
Fleet C4I & Readiness Department (PMW 100’s and 700’s)

- Single focused on the Fleet
- Single POC for all PEO C4I PMW’s
- Consolidated accountability
- Consistent SSC Atlantic voice/message
- Single source of situational awareness
- Clear reporting relationships
- PORs C/S/P Focus - Deliverables
- Readiness and installation execution

Customer Areas

- PMW 120
- PMW 130
- PMW 150
- PMW 160
- PMW 170
- PMW 740
- PMW 750/760
- PMW 770
- PMW 790
- FRD 100/200
- NAVSEA
- NAVAIR
- USCG
- Navy Cyber/Numbered Fleet

Singularly focused on PMWs & Fleet Readiness