Naval Information Warfare Center ATLANTIC

Fleet C4I and Readiness Department

Rapidly delivering and sustaining effective information warfare capabilities to the Fleet

Departments

- Fleet C4I and Readiness
- Expeditionary Warfare
- Enterprise Systems
- Shore C2ISR and Integration
- Science and Technology

Fleet C4I and Readiness Department

FY22: 1,465 FTEs

166 Programs / Projects

FY22 TOA: $1,461M

- **Engineer** (design, develop and test) new C4ISR capabilities that give our Fleet an advantage over adversaries.
- **Integrate** C4ISR systems into the U.S. Navy's newest and most advanced ships and submarines.
- **Install** C2, intel, communications, networks and applications for the Fleet.
- **Support** Fleet C4ISR systems to maintain operational availability and complete lifecycle engineering.

Customer Areas

- 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

Leadership

Greg Lancaster, SSTM — Department Head

Travis Tillman — Deputy (700 Groups)

John Mark Hall — Deputy (100 Groups)

George Spellman – Department Program Management

- Division Heads (100 Groups):
  - John Thompson – Battlespace Awareness Div. (PMW 120)
  - Jeff Sweeney – IA & Navy Cybersecurity Div. (PMW 130)
  - Bob Rozar – Navy Afloat Networks and Command & Control Applications Div. (PMW 150/160)
  - Robert James– Navy Afloat Transport & Navigation Div. (PMW 170)
- Division Heads (700 Groups):
  - Martina Jackson – FMS/Air Integration/USCG Div. (PMW 740)
  - Mark Held – Surface Ship Integration Div. (PMW 750/760)
  - David Bednarczyk – Submarine Integration Div. (PMW 770)
  - Mark Luther – Shore C4I Integration Div. (PMW 790)
  - Len Little – Fleet Installations and Response Div.

Department Vision

Enable Fleet-Focused Information Warfare

- Focus on the Sailor/Fleet
- All delivered capability must be cyber resilient
- Deliver modular capability, agile software delivery, rapidly upgradable and standards-based
- Align to PEO C4I Priorities:
  - Make Development, Security and Operations (DevSecOps) business as usual
  - Sailor Self Sufficiency
  - Digitization
- Focus on mission capability vs. system functionality
- Rapidly assess, integrate and deliver science and technology innovations to maintain naval advantage.

Achievements

- NIWC Atlantic continued to support the Fleet in the COVID pandemic through modernization support for 28 surface C4I modernization availabilities with 838 alternations and 23 submarine C4I modernization availabilities with 456 alternations
- The Surface Ship Integration Division completed the implementation of C4ISR systems aboard the CVN-78, which is now fully operational. C4ISR systems have passed shock tests and are fully operational and certified on this first-in-class aircraft carrier. Additionally, the group completed the implementation of the C4ISR systems aboard the LHA-7, LPD-28 and T-AO 205 and began initial stage 3 lab testing of systems for LPD-29. The team is developing standards and processes for Digital Engineering implementation across the Surface Ship Integration Division. This will increase efficiency to facilitate development and re-use of system drawings and other documentation across a ship class and for modernization efforts.
- The Battlespace Awareness Division supports high priority Accelerated Capabilities to the Fleet (ACF) installation efforts for complex Intelligence, Surveillance, Reconnaissance/Information Operations (ISR/IO) programs Distributed Common Ground System – Navy (DCGS-N), and Ship's Signal Exploitation Equipment (SSEE) systems providing intelligence and information operations data, products and services.

Delivering mission-critical information warfare capabilities to the Warfighter

Naval Information Warfare Center (NIWC) Atlantic is a Navy engineering and Information Technology (IT) Command and part of the Naval Research and Development Establishment.

Our work is shaped by requirements that demand research and engineering with the goal of delivering the operational advantage gained from fully integrating Naval information functions, capabilities and resources to optimize decision making and maximize warfighting effects.

We deliver the products and solutions that help our customers accomplish their mission today and into the future and most importantly, serve our nation by delivering information warfare solutions that protect national security.

Fleet C4I and Readiness Department

Deputy 100s

Battle Space Awareness Division (PMW 120)	IA & Navy Cyber Security Division (PMW 130)	Navy Afloat Networks & C2 Applications Division (PMW 150 & 160)	Navy Afloat Transport & Navigation Division (PMW 170)
IPTs	**IPTs**	**IPTs**	**IPTs**
Afloat Signals Exploitation	Navy Cyber	Tactical Networks SW Support	Afloat Transport Systems
Distributed Common Ground System-Navy (DCGS-N)	Network Security	CANES Engineering	SW Defined Radio
Integrated Undersea Surveillance Systems (IUSS)	Crypto and Key Management	TACNET Deployment	Position, Navigation & Timing Engineering
	Multi-Level Security Engineering (MLSE)	Naval C2	Position, Navigation & Timing ISEA
			Radio Communications

Deputy 700s

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)
IPTs	**IPTs**	**IPTs**	**IPTs**
NAVAIR FMS	Surface New Construction	Submarine CWITTs & SWFTS Modernization	Naval Messaging
TacMobile	Large Deck New Construction	Afloat Submarine C4I	Tactical Shore Systems
USCG	Interior Comms	Shore Submarine C4I	Unified Capabilities Voice Solutions
C4I FMS		Sub Software & Tools Development	Secure Voice Solutions
			Multi Media
			USNO Engineering

Department Program Management

Geographic Areas Supported:

Charleston, SC
Washington D.C.
Norfolk, VA
San Diego, CA

Fleet Installations and Response Division

IPTs
Surface Modernization Force Level
Fleet Support Office
Surface Modernization Unit Level
Submarine Modernization C4I
Shore Modernization

Fleet C4I and Readiness Divisions

- **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.
- **Navy Afloat Networks and Command & Control Applications Division**: Rapidly deliver integrated wide area, local networking and foundation computing systems products and services to Warfighters. Delivers operational and tactical command and control capabilities by integrating real-time and near real-time representations of tactical situations, providing targeting support and chemical-biological warnings. Major systems include CANES, ADNS, ISNS, CENTRIXS, CES, Afloat Readiness Reporting System, Global Theater Security Cooperation Management Information System, Global C2 System – Maritime, Global C2 System – Joint, theatre Battlefield Management Command System, Joint Automated Deep Operations Coordination System, Air Defense Systems Integrator, Link-11, Link Monitoring Management Tool and Multi-Data Link Management System.
- **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.
- **Foreign Military Sales / Air Integration / 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 engr. 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 auxiliary ships. Designs, integrates and tests interoperable C4I end-to-end capabilities to Navy and Military Sealift Command ships during new construction and modernization. Additionally, provides cybersecurity support for the Cooperative Engagement Capability program and full lifecycle support for surface ship wired and wireless Interior Communication systems.
- **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.
- **Fleet Installations and Response Division**: Provides direct Fleet support after new platform delivery through the Fleet Support Office, Fleet modernization through the Installation Execution Office and Fleet sustainment of system performance through the In-Service Engineering Agent.