Naval Information Warfare Center ATLANTIC

Shore C2ISR and Integration Department

Leader in Information Technology solutions that matter to our Warfighters and nation

Departments

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

Shore C2ISR and Integration Department

FY19: 704 FTEs

254 Programs / Projects

- Equip Navy and federal customers with cyber resilient, reliable systems that are affordable across the life cycle and unmatched by others in providing information warfare capabilities, command and control, greater efficiencies and enhanced ability to execute their mission.
- Design, engineer and sustain critical IT solutions for satellite systems, command and operations centers, cybersecurity, Naval air traffic control, military fuel systems, force protection and military health IT systems.

Customer Areas

- Defense Health Agency
- US Marine Corps (ESS/CC/MILCON)
- Defense Logistics Agency
- NAVAIR and PEOs
- Naval Installations Command
- U.S. Air Force (ATC/ESS/CC)
- COCOMS
- Naval Facilities Command
- Department of Homeland Security
- Chief of Naval Operations
- Joint Chiefs of Staff
- U.S. Army (ESS/CC/ATC)
- Office of the Secretary of Defense
- Bureau of Medicine and Surgery
- National Geospatial-Intelligence Agency
- Defense Intelligence Agency
- National Security Agency

Leadership

Bruce Carter– SSTM Department Head

- Kevin Gerald – Deputy
  - Division Heads:

    Cal Stephens – Defense Health Information Technology

    Chris Purdy – Special Reconnaissance, Surveillance and Exploitation

    Ed Layo – Force Protection Solutions

    Billy Rollins – Industrial Control Systems and Applications

    Donovan Lusk – Command and Operations Centers

    Rick DeForest – Air Traffic Control Engineering

Achievements

- Naval Command and Operations Centers IPT established a configuration management baseline for all C4I systems contained in the Maritime Operation Centers deployed at COMSIXTHFLT (NAVEUR/NAVAF) utilizing Model Based Systems Engineering tools, allowing for detailed views of all systems and spaces within the COMSIXTHFLT MOC. The team is utilizing same modeling toolsets to document COMFIFTHFLT and COMFOURTHFLT MOCs.
- Joint Command and Operations Centers IPT delivered a design for a US Space Command Joint Operations Center, incorporating Model Based Systems Engineering (specifically Building Information Modeling). Installation Design Package was delivered and construction and installation are in progress.
- In support of Military Construction Project P-1306 at NAVSUP Fleet Logistics Center San Diego Defense Fuel Support Point – Point Loma, NIWC Atlantic delivered an enhanced Supervisory Control and Data Acquisition (SCADA) Automated Fuel Handling Equipment (AFHE) system to support the new double-decker fuel pier for 24/7 SCADA control, the first of its kind. IPT support included design, system development, field installation, system integration, testing and training.

Warfighting Thrust Areas

To give our Fleet an advantage over adversaries

- Become a technical leader in Supervisory Control and Data Acquisition and industrial controls design, implementation and sustainment with an emphasis on cyber hardening.
- Support modernization of the Medical Enterprise IT to include the rollout of the Electronic Health Record system to include cyber capabilities, data analytics, enterprise network architecture and enterprise application rationalization support.
- Develop an Intelligence COI and become a technical leader in providing advanced analytics and data science support.
- Advance technology engagement opportunities by leveraging research efforts across Air Traffic Control (ATC), Naval Electronic Security Systems (ESS) and Command Centers that develop solutions to increase efficiencies and grow technical subject matter expertise.
- Establish a Model Based Systems Engineering approach to develop a reputable means to provide holistic systems engineering to integrate operations into ashore platforms.

Areas of Emphasis

- Seek innovative means for technology transition to Warfighters
- Create opportunities to engage with industry
- Reduce the cost of products and services
- Leverage the NR&DE and employ high velocity learning

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.

Shore C2ISR and Integration Department

Deputy

Defense Health Information Technology Division	Special Reconnaissance, Surveillance and Exploitation Division	Force Protection Solutions Division	Industrial Control Systems and Applications Division	Command and Operations Centers Division	Air Traffic Control Engineering Division
IPTs	**IPTs**	**IPTs**	**IPTs**	**IPTs**	**IPTs**
Medical Information Delivery	Air and Space	Naval Anti-Terrorism / Force Protection	SCADA	Naval Command and Operations Centers	Polar Programs
Health Systems Infrastructure	Integrated National Intelligence Systems	Presidential / Joint Systems and Applications	Industrial Controls Systems Sensors	Joint Command and Operations Centers	Shore ATC
Health Systems Security Engineering	Joint Force Mission Systems	USMC Electronic Security Systems		Naval and Joint Europe	ATC Special Programs
Defense Health Cybersecurity & Risk Management		Naval Enterprise Solutions			METOC
Medical Operational Engineering					
Clinical Infrastructure Modernization					
Defense Health Readiness Engineering					
Defense Healthcare Management Systems					

Shore C2ISR and Integration Divisions

- **Defense Health Information Technology Division:** Design, develop, integrate and deploy DHA systems including global, local and wireless networks; enterprise computer and storage solutions; big data analytics and data warehousing. USCYBERCOM-accredited CSSP supporting Defense Health IT mission, MHS and 9.4M military and beneficiaries at Navy, Army and Air Force treatment facilities worldwide.
- **Industrial Control Systems and Applications Division:** Design, deliver, install and sustain cyber-hardened SCADA systems and critical components, infrastructure and sensors in the field for industrial control systems at DoD facilities worldwide — more than 500 sites including Navy and Marine Corps facilities — in support of DLA Energy.
- **Special Reconnaissance, Surveillance and Exploitation Division:** Rapidly deliver innovative intelligence, surveillance and exploitation solutions to Warfighters in shore, air and space realms, including signals intelligence, satellite operations, biometrics identification, high frequency direction finding, expeditionary forensics, cyber forensics and cyber vulnerabilities and tests.
- **Force Protection Solutions Division:** Provide state-of-the-art electronic security solutions to protect critical military and government infrastructure, personnel, assets and resources. Provide enhanced force protection, situational awareness and command and control at worldwide DoD locations. Primary IT services and solutions provider for CNIC N6 and NAVFAC CIO, increasing efficiency and security of IT services across the entire Navy Shore enterprise.
- **Command and Operations Centers Division:** Develop requirements, design and engineering, installation, integration and testing for Command and Operations Centers for Navy, joint and component commands. Lead MILCON/C5I design and integration efforts for new MILCON projects worldwide. Stuttgart and Naples teams provide C5I infrastructure and multimedia systems development, deployment and support for Navy, EUCOM, AFRICOM and their component commands in Europe.
- **Air Traffic Control Engineering Division:** Provide complete ATC and meteorology systems engineering, ATC operations, airfield management, electronics maintenance and meteorological forecasting and observation services. Navy's lead field activity for the National Airspace System Modernization program. Provide aviation engineering services to support polar research programs. More than 50 years serving/assigned as Navy Center of Engineering Excellence for shore-based ATC systems worldwide.

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