

Expeditionary Warfare Department

Rapidly delivering Command, Control, Communications, Computer, Intelligence and Reconnaissance, Cyber and IT systems and engineering services to meet the information warfare needs of the Marine Corps and Special Operations Command

Departments



Expeditionary Warfare Department

FY22: 639 FTEs

85 Programs/Projects

- Deliver information warfare capabilities to the Marine Corps and Special Operations Command
- Provide full spectrum C4ISR systems and services to Marines and Special Forces
- Engineer end-to-end C4ISR systems in tactical vehicles
- Develop and sustain Enterprise IT system capabilities and solutions

Customer Areas

- U.S. Marine Corps
- SOCOM
- U.S. Army
- U.S. Air Force

Leadership

Ashlee Landreth, SSTM – Department Head
Pete Ward — Deputy

Division Heads:

Toby Straight – Expeditionary Intelligence Solutions

Ryan Price – Land Systems Integration

Timothy Turner – Expeditionary Command, Control and Communications (C3) Solutions

Steve Clinton – Expeditionary Enterprise Systems and Services

Warfighting Thrust Areas

- Enterprise IT service engineering that gives our warfighters the tactical advantage through enterprise reach back of core on-premise and Cloud services, cyber sensor and alerting, seamless mobility of 5G battlefield services and continuous agile processes like DevSecOps
- Integrate artificial intelligence/machine learning and visualization technologies to create actionable intelligence for decision-makers. In parallel, field common, platform-agnostic SIGINT and EW solutions for the USMC and SOCOM
- Equip Marines with mobile C3 facilities, systems and services for fused situational awareness, information-sharing and enhanced decision support processes
- Research and develop C4ISR technologies on tactical vehicles to enhance MAGTF maneuver warfare. Integrate/field tactical vehicles with the latest C4ISR technologies for the four services

Areas of Emphasis

- Delivering C4ISR systems and capabilities that enable Stand In Forces
- Supporting wargaming and experimentation
- Enabling Naval integration
- Ensuring S&T and R&D progression



Achievements

- Designed, tested and fielded three Tactical Entry Point (TEP) systems at strategically determined Component Enterprise Data Centers (CEDCs) across the globe. The TEP provides forward-deployed tactical units the ability to reach into the Marine Corps' warfighting network in order to have user services and C2 capabilities pushed to the tactical edge, thus being a key enabler of the Deployed MCEN (D-MCEN) concept.
- Explored Marine Corps technologies during the System of Systems Naval Integration Experiment (SoSNIE), one of the largest experimental exercises at NIWC Atlantic in years. SoSNIE brought scores of engineers, scientists and stakeholders together to collaborate on C4ISR systems, as they sought to better understand system limitations to improve automation and integration.
- Developed the Common Hosting Environment Virtual Infrastructure (CHE VI) to consolidate capabilities from Marine Corps Common Intelligence Server (MCCIS) and CHE NET systems to provide the environment for collaboration, communication, and command and control services in support of USMC PM C2S & PMIS.
- Integrated, tested two Marine Air Defense Integrated Systems (MADIS) engineering development models in support of PM Ground Based Air Base Defense. Integrated over 2,000 USMC JLTV platforms with FLEXCON C4I Systems. Completed initial NOTM integration on ACV C4UAS variant.

Delivering mission-critical information warfare capabilities to the Warfighter

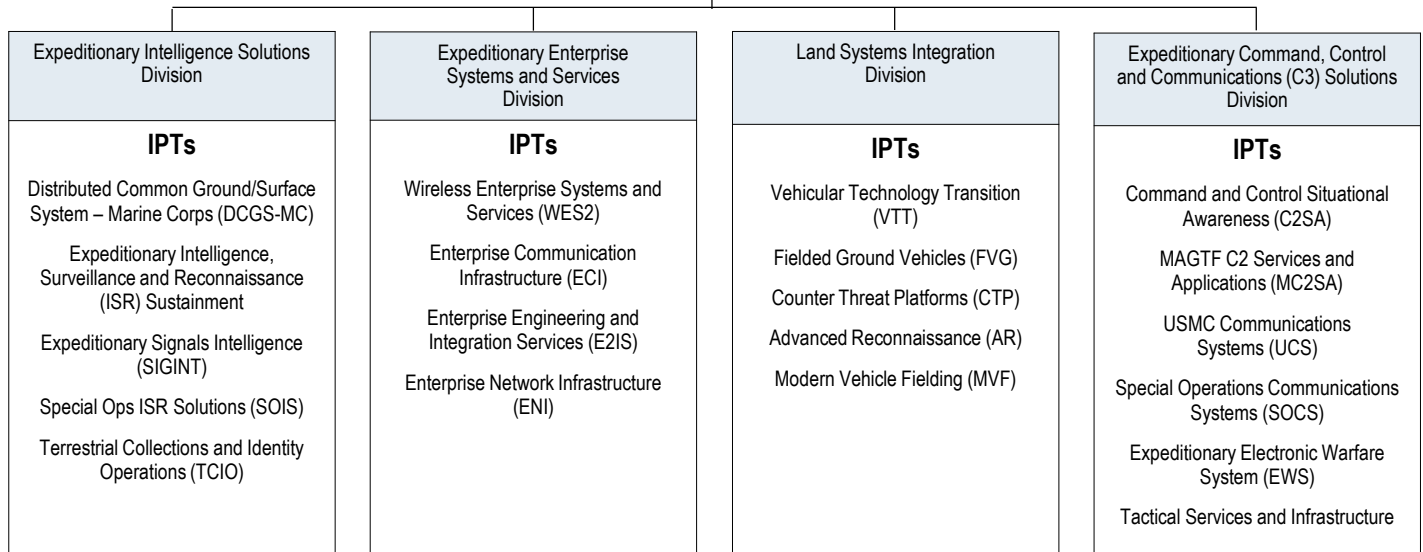
Naval Information Warfare Center (NIWC) Atlantic is a Navy engineering and Information Technology (IT) Command and part of the Naval Research and Development Establishment.

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.

Expeditionary Warfare Department

Deputy



Expeditionary Warfare Divisions

- **Expeditionary Intelligence Solutions (EIS) Division:** Provides full spectrum expeditionary intelligence capabilities, technologies and solutions to the Warfighter.
- **Expeditionary Enterprise Systems and Services (E2S2) Division:** Provides the design, acquisition and sustainment of Naval and SOCOM information systems, to include Enterprise telecommunications infrastructure, streamlined and consolidated enterprise services, IT solutions for personnel logistics and enhanced cybersecurity.
- **Land Systems Integration (LSI) Division:** Provides the design, engineering and full scale integration of C4ISR capabilities into tactical military vehicle platforms. Improves efficiency and effectiveness of integrating mission equipment on vehicle platforms for specific mission activities. Provides post-fielding sustainment support.
- **Expeditionary Command, Control and Communications (C3) Solutions (EC3S) Division:** Develops, integrates and equips the Marine Corps and Special Operations Command with mobile C3 facilities, devices and services that provide fused situational awareness, facilitate information sharing and enhances the decision support process.

