

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

FY19: 573 FTEs

62 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

Kevin Charlow – SSTM Department Head

- Laura Rolinger — Deputy
 - Division Heads:
 - Toby Straight – Expeditionary Intelligence Solutions
 - Tim Turner – Marine Air Ground Task Force (MAGTF) Command, Control and Communications (C3) Solutions
 - Pete Ward – Land Systems Integration
 - Erik Gardner – Expeditionary Enterprise Systems and Services

Achievements

- Produced and fielded nearly 400 Ethernet over Internet Protocol upgrade kits for multi-channel radio system, providing Marines with ultra high frequency line-of-sight, point-to-point radio comms up to 35 miles away. This digital radio is typically used by the Fleet Marine Force for ground-to-ground and ship-to-ground as part of the larger U.S. Navy's Digital Wideband Transmission System.
- Rapidly leveraged design and development capabilities to achieve IOC nearly a year ahead of schedule for the Marine Corps' Joint Light Tactical Vehicle program. Reduced the Networking on the Move system size by over 50%, maintaining modularity across all required ground combat vehicles.
- Consolidated and modernized the DCGS-MC intelligence system. Implemented modular software baselines, introducing smaller, faster common hardware. Developed artificial intelligence/machine learning solutions based on Marines' feedback and transitioned the capability into DCGS-MC.
- Revolutionized workforce learning culture, adopted Agile processes, created user-driven development environments, delivered process automation and created adaptive tool chains to rapidly deliver innovative infrastructure, software, IT services and adaptive analytics capabilities..

Warfighting Thrust Areas

- Perform enterprise IT service engineering in the design and delivery of networks and services that give our warfighters the tactical advantage through enterprise reach back of core on-premise and Cloud services, cyber sensor and alerting, seamless mobility of 4G/5G battlefield services and continuous delivery of enhanced minimum viable products.
- 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 that provide fused situational awareness, information sharing and enhanced decision support processes.
- Research and develop C4ISR technologies on tactical vehicles to enhance MAGTF maneuver warfare. Integrate and field tactical vehicles with the latest C4ISR technologies for the four services.

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

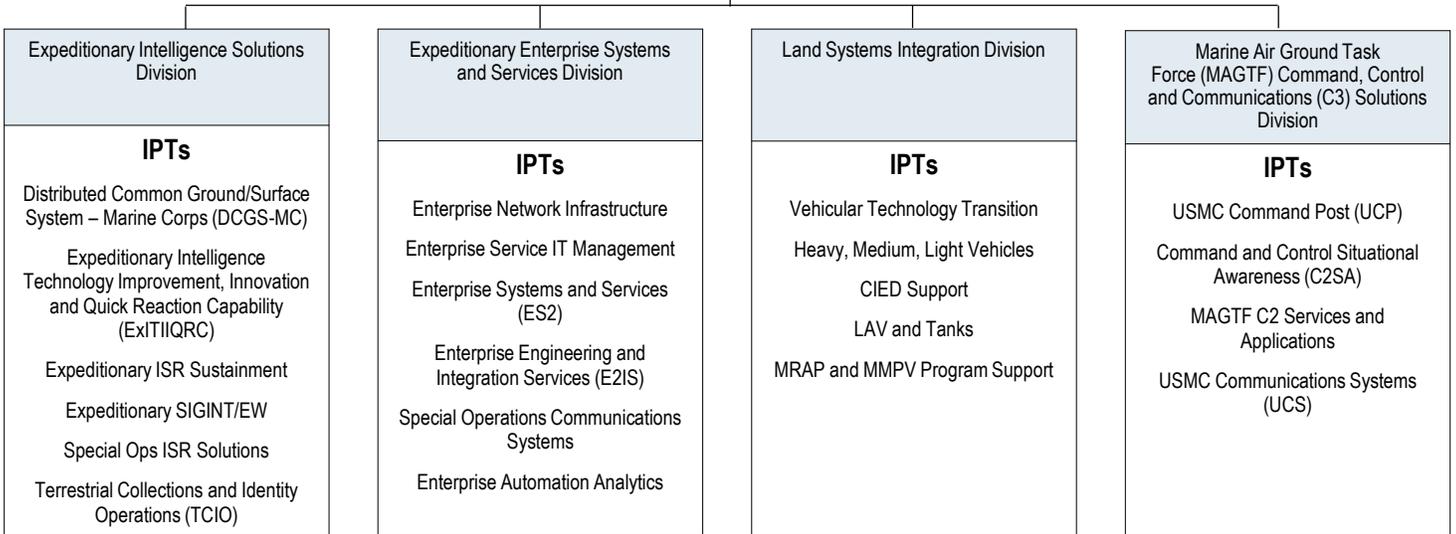
Naval Information Warfare Center (NIWC) Atlantic is a Navy engineering and Information Technology (IT) Command and part of the Naval Research and Development Establishment.

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.

Expeditionary Warfare Department

Deputy



Expeditionary Warfare Divisions

- **Expeditionary Intelligence Solutions Division:** Provides full spectrum expeditionary intelligence capabilities, technologies and solutions to the Warfighter.
- **Expeditionary Enterprise Systems and Services 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 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.
- **Marine Air Ground Task Force (MAGTF) Command, Control and Communications (C3) Solutions Division:** Develops, integrates and equips Marines with mobile C3 facilities, devices and services that provide fused situational awareness, facilitate information sharing and enhances the decision support process.

