PMW 790
Shore and Expeditionary Integration Program Office

Who We Are and What We Do

PMW 790 provides tactical shore and expeditionary forces with integrated C4I capabilities that are innovative, interoperable and secure. We accomplish this through acquisition, integration and modernization.

Top Programs

- **Shore Tactical Assured Command and Control (STACC) (ACAT IVM)**
  STACC is the premier IT-21 Navy Network Operations provider, deploying real-time network situational awareness allowing for proactive and predictive management of the IT-21 Navy network to include CENTRIXS and SCI NOCs. STACC modernizes the Navy’s shore legacy serial infrastructure into a full IP network centric enterprise capable of providing seamless and secure transport with increased bandwidth in support of DoD, joint and coalition operations. It provides the services and transport for voice, video and data between ashore and afloat users, in addition to unclassified/classified services to afloat and expeditionary users. STACC is currently working to transition the Navy tactical architecture to Virtual Secure Enclave (VSE) technology to enhance cyber security and reduce hardware and sustainment costs.

- **Maritime Operations Center (MOC) (Project)**
  MOCs deliver organizational consistency, capability and capacity to transition with agility between various command roles and enhanced global networking among Navy-maritime organizations. PMW 790 is the materiel provider for the U.S. Fleet Forces Command MOC project, leading the tailored integration efforts by coordinating both Programs of Record (PORs) and non-PORs from Navy and other agencies. MOCs are located at numbered fleet commands and at U.S. Fleet Forces Command. Current activities include expanding the MOC’s capability to monitor and manage Ballistic Missile Defense data.

- **Navy Modernized Hybrid Solution (NMHS) (ACAT IVT)**
  The NMHS project is a Service Life Extension Project for legacy messaging subsystems. NMHS includes Mission Assurance Category One systems and is the Navy Messaging component to the Nuclear Command, Control and Communications Hybrid Solution. NMHS provides accurate and reliable delivery of time-critical Executive Command Authority Emergency Action Messages to United States Nuclear Forces.

- **United States Naval Observatory (USNO) (ACAT III)**
  USNO delivers precise time to the Navy and the world. PMW 790 is engaged in delivering an assured, secure network infrastructure with long-term sustainment to meet the mission requirements of this critical capability.

- **Command and Control Official Information eXchange (C2OIX) (Project)**
  The C2OIX Project provides joint C2 organizational messaging for shore and afloat platforms to satisfy GENSER messaging requirements and provides for the efficient handling of organizational message traffic aboard ships, submarines and shore sites. All afloat surface platforms are scheduled to receive the NAVMACS II AN/SYQ-26(V)7 variant and all subsurface platforms will receive either the Submarine Single Messaging Solution (SubSMS) AN/SYQ-28(V)3 or the SubSMS AN/SYQ-28(V)4 variant. The shore component of the C2OIX Project is the AN/UYC-20(V)2, which was replaced by the AN/UYC-20(V)3 in 2016 at Naval Computer Telecommunication Area Master Station (NCTAMS) Atlantic and NCTAMS Pacific.

- **Telephony (Project)**
  Shore Telephony provides the Navy’s primary support of Defense Switch Network telephone services on ~115 switches worldwide to include system sustainment and technology refresh for the Fleet Cyber Command/Navy Information Dominance Force-owned shore sites. Telephony also provides tactical shore secure/unclassified voice and video capabilities for the Fleet. Current activities include conversion to IP trunking as part of the DOD CIO transition to Unified Capabilities.
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- Deployable Joint Command and Control (DJC2) (ACAT IAC)
  This integrated C2 headquarters system enables a joint force commander to set up a self-contained, self-powered, computer-network-enabled joint task force headquarters facility anywhere in the world within 6 to 24 hours of arrival. Basic configurations include: (a) Rapid Response Kit – for first responders and control teams; (b) Early Entry – fully capable C2 with additional C4 capability; and (c) Core – full capability for 60 operators (can be increased to 240+ operators with additional 60 seat expansion kits). Basic configurations are flexible/scalable to meet varied mission requirements (i.e., “take what you need and leave the rest”).

- Expeditionary C4I (Project)
  The project provides C4I capabilities that are rapidly deployable, self-sustainable, adaptive to mission requirements, scalable and agile to support Navy expeditionary forces supporting waterborne and ashore anti-terrorism, force protection, theater security cooperation and engagement, and humanitarian assistance/disaster relief contingencies.

- Joint Military Satellite Communications (MILSATCOM) Network Integrated Control System (JMINI CS) (ACAT IVT)
  JMINI CS is a Navy-led, joint-interest program providing integrated, dynamic and centralized control of non-processed UHF MILSATCOM 5/25 kHz Demand Assigned Multiple Access and Demand Assigned Single Access channels to maximize existing satellite communications resources through decentralized Web-based management. JMINI CS enables UHF SATCOM, which is the primary communication method for on-the-move warfighters, ships, submarines, special operations, U.S. Coast Guard, and other agencies, services and allied forces.

- Integrated Waveform Control System (IW CS) (Project)
  IW CS provides an integrated, dynamic and centralized control of UHF MILSATCOM 25 kHz Demand Assigned Multiple Access channels to maximize existing satellite communications resources through decentralized Web-based management. IW CS enables reliable communications for warfighters and U.S. allies in tactical and training environments and optimizes access to the entire UHF MILSATCOM spectrum.

FY17 Priorities
- NC3 Modernization
- USNO Mitigation and Modernization
- Virtual Secure Enclave Instantiation
- Thin-Client, Multi-Enclave Architecture Transition
- NetOps Evolution: ENMS Tech Refresh
- Expeditionary C4I and DJC2 Modernization & Deliveries
- JMINI Control System Refresh
- Telephony Modernization and Unified Capabilities Transition
- Enterprise Patch Management

Key Integration Efforts
- Military Construction (MILCON) NCTAMS LANT Modernization, Project P-913
- Joint Information Enterprise (JIE) Coordination
- CVW-5 Atsugi-to-Iwakuni, Japan Relocation
- C7F MOC Move Ashore
- Military Sealift Command (MSC) NOC-to-Fleet NOC Transition
- Naval Ocean Processing Facilities (NOPF) Modernization

Statement A: Approved for public release, distribution is unlimited (07 FEBRUARY 2017)