



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

- **Deployable Joint Command and Control (DJC2) (ACAT IAM)**

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.

- **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 integration efforts through a system-of-systems approach by coordinating both Programs of Record (PORs) and non-PORs from Navy and other agencies. MOCs are located at: Commanders Third Fleet, Fourth Fleet, Fifth Fleet, Sixth Fleet, Seventh Fleet, Tenth Fleet and Pacific Fleet as well as at U.S. Fleet Forces Command.

- **Shore Tactical Assured Command and Control (STACC) (ACAT IVM)**

STACC (formerly known as Tactical Switching) is the premiere IT-21 Navy Network Operations provider, deploying real-time network situational awareness allowing for proactive and predictive management of the IT-21 Navy network. STACC also 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. STACC provides the services and transport for voice, video and data between shore facilities 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/sustainment costs.

- **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. It automates and increases the speed and efficiency of handling organizational message traffic aboard ships, submarines and shore sites. The C2OIX project is a Service Life Extension Project that provides a technology refresh for NAVMACS systems on ships, submarines and tactical mobile units, as well as modernizing the shore GENSER messaging system. 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 will be replaced by the AN/UYC-20(V)3 starting in 2015 and completed in 2016 at Naval Computer Telecommunication Area Master Station (NCTAMS) Atlantic and NCTAMS Pacific.

Contact Information

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- **Navy Modernized Hybrid Solution (NMHS) Project**
The NMHS project is a Service Life Extension Project involving the 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.
- **Telephony (Project)**
The Shore Telephony project is the Navy's primary support of Defense Switch Network telephone services on ~115 switches. The project provides system sustainment, obsolescence management and technology refresh for the Fleet Cyber Command/Navy Information Dominance Force-owned shore sites as well as tactical shore secure/unclassified voice and video capabilities for the Fleet. In FY12, under the auspices of CNO Efficiency Board Five, Shore Telephony obtained additional funding to upgrade IP capable switches for the San Diego and Norfolk regions. Thus Shore Telephony will lead the IP trunking phase of the Navy's Voice/Video over IP transition as well as the Voice/Video over Secure IP and Video Teleconferencing over Internet Protocol efforts.
- **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.

FY15 Priorities

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

Key Integration Efforts

- Joint Information Enterprise (JIE) Increment 2 Coordination
- CVW-5 Atsugi-to-Iwakuni, Japan Relocation
- C7F EDSRA Move Ashore
- MSC NOC-to-Fleet NOC Transition

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