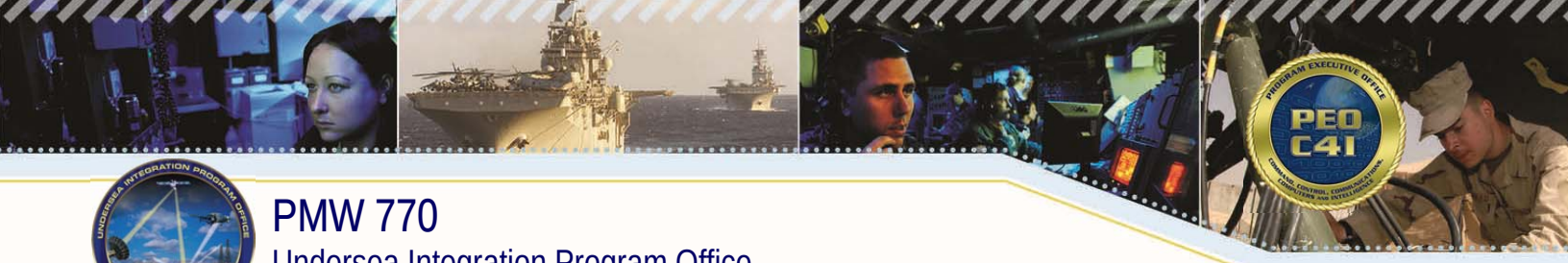

PMW 770

Undersea Integration Program Office

Who We Are and What We Do

PMW 770 delivers vital capabilities to the Navy by connecting the entire undersea architecture of manned and unmanned systems and undersea vehicles to maximize joint warfighting capability.

Top Programs

- Common Submarine Radio Room (CSRR)
  Provides all submarine classes with secure, reliable communications and effectively manages, controls, processes and disseminates C4I information (ACAT II).
- Low Band Universal Communications System (LBUCS)
  Modernizes portions of the Fixed Submarine Broadcast System transmit and receive functions to maintain reliable and supportable Very Low Frequency (VLF)/Low Frequency (LF) communications. (ACAT IV)
- Multi-Function Mast (OE-538) Increment 2
  OE-538 antenna supports VLF/LF/Medium Frequency/High Frequency/Very High Frequency/Ultra High Frequency, Identification Friend or Foe and Global Positioning System capabilities for all submarine classes. Increment 2 OE-538A upgrades the system to support the Mobile User Objective System, Link 16 and Iridium. Increment 2 OE-538B incorporates GPS anti-jam. (ACAT III)
- Submarine High Data Rate (SubHDR)
  Supports Extremely High Frequency low data rate, medium data rate, military Super High Frequency (SHF) and Global Broadcast Service for all submarine classes. (ACAT III)
- Information Screening and Delivery Subsystem (ISDS)
  Subsystem of the Fixed Submarine Broadcast System that develops the broadcast and delivers IP messaging to the fleet.
- Fixed Submarine Broadcast System/Submarine Shore Systems
  Sustain and modernize the VLF/LF shore infrastructure, modernize submarine shore support stations that implement NC3.
- SAMS/BRR-6/Submarine Communications Buoy (SCB) Project Agreement
  Submarine Antenna Modifications and Sustainment provides sustainment support and reliability, maintainability and availability upgrades for legacy submarine antenna systems. The BRR-6 Towed Buoy Antenna and SCB Project Agreement are providing near-term reliability improvements and long-term buoy redesign initiatives to support strategic communications.
- Undersea Constellation (UC)
  UC provides the architecture and path to an undersea netted communication capability in support of all undersea communications requirements and missions.

FY15 Priorities

- CSRR – Continue fielding Inc 1 V3 on all classes of submarines and development of the Inc 1 V4 baseline
- LBUCS Transmit Terminal Equipment – Low Rate Initial Production, Initial Testing Configuration Installed
- LBUCS Receive Equipment – New receiver, enhanced cybersecurity for surety of operation
- OE-538 Increment 2 – Execute development contract, testing of EDM to facilitate Milestone C, incorporate GPS anti-jam capability
- Information Screening and Delivery Subsystem – Implement the ISDS 4.2 baseline with upgraded operating system
- SubHDR Antenna – Continue development of reliability improvements to maintain availability requirements through 2030
- UC – Continue refinement of required architecture and standards, conduct war gaming and simulations, update the roadmap and start early development efforts.
  - Define and conceptualize Comms at Depth capabilities to support joint warfighting

Contact Information

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