



PMW 770

Undersea Integration Program Office

Who We Are and What We Do

PMW 770 delivers vital capabilities to the Navy by connecting the undersea architecture of manned systems, 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)
- **Multi-Function Mast (OE-538) Increment 2**
OE-538 antenna supports Very Low Frequency (VLF)/Low Frequency (LF)/Medium Frequency/High Frequency/Very High Frequency/Ultra High Frequency, Identification of Friend or Foe and GPS capabilities for all submarine classes. Increment 2 OE-538A upgrades the system to support the Mobile User Objective System (MUOS), Link 16 and Iridium. Increment 2 OE-538B incorporates GPS anti-jam. (ACAT III)
- **Submarine High Data Rate (SubHDR)**
Supports EHF Low Data Rate, Medium Data Rate, military Super High Frequency and Global Broadcast Service for all submarine classes. (ACAT III)
- **Low Band Universal Communications System (LBUCS)**
Modernizes portions of the Fixed Submarine Broadcast System transmit and receive functions to maintain reliable and supportable VLF/LF communications. (ACAT IV)
- **Fixed Submarine Broadcast System (FSBS)/Submarine Shore Systems**
Sustains and modernizes the VLF/LF shore infrastructure. Modernizes submarine shore support stations that implement NC3.
- **Information Screening and Delivery Subsystem (ISDS)**
Subsystem of the Fixed Submarine Broadcast System that develops the broadcast and delivers IP messaging to the fleet.
- **Take-Charge and Move-Out (TACAMO) Ground Communications**
The TACAMO program supports ground communications by coordinating Program of Record (POR) modernizations and upgrades; identifying non-POR systems and developing acquisition, modernization and sustainment requirements, and integrating and sustaining C4I equipment at the TACAMO Baseline Capabilities Assessments (BCAs).
- **Submarine Antenna Modifications and Sustainment (SAMS)/BRR-6/Submarine Communications Buoy (SCB) Project Agreement (PA)**
SAMS provides sustainment support and reliability, maintainability and availability upgrades for legacy submarine antenna systems. The BRR-6 Towed Buoy Antenna and SCB PA are providing near-term reliability improvements and long-term buoy redesign initiatives to support strategic communications.
- **Undersea Constellation (UC)**
UC provides the C4I architecture and path to an end-to-end undersea and cross-domain communication capability in support of undersea and joint communications requirements.
- **Optical Communications (OCOMMS) PA**
The OCOMMS PA involves Research, Development, Test and Evaluation of optical OCOMMS capabilities with the United Kingdom, suitable for deployment on unmanned/manned, aerial and underwater systems.

FY17 Priorities

- CSRR – Continue fielding Increment 1 Version 3 on all classes of submarines and development of the Inc1V4 baseline.
- LBUCS Transmit Terminal Equipment – Low Rate Initial Production and installations, end-to-end testing executed.
- LBUCS Receive Equipment – New receiver, enhanced cybersecurity for surety of operation.
- OE-538 – Implement OE-538A for MUOS capability and continue development of OE-538B for GPS anti-jam capability.
- Information Screening and Delivery Subsystem (ISDS) – Field 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, identify requirements gaps, 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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