



PMW 770

Undersea Communications & Integration Program Office

Who We Are and What We Do

PMW 770 delivers vital C4I capabilities to the Navy by connecting the architecture of undersea vehicles (manned and unmanned) and mobile communications in support of Nuclear, Command, Control and Communications (NC3), to maximize joint warfighting capability.

Top Programs

Common Submarine Radio Room (CSRR)

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)

The OE-538 antenna supports Very Low Frequency (VLF) to Ultra High Frequency (UHF) bands, Identification Friend or Foe (IFF), and navigation (i.e. GPS) capabilities for all submarine classes. (ACAT III)

Submarine High Data Rate (SubHDR)

SubHDR supports EHF Low Data Rate, Medium Data Rate, military Super High Frequency and Global Broadcast Service for all submarine classes. (ACAT III)

Fixed Submarine Broadcast System (FSBS) Transmission Equipment

FSBS HP sustains and modernizes the equipment of the submarine broadcast transmit systems which include the high power transmitters and antennas at the ten FSBS Broadcast Transmitter Station (BTS) sites. These BTSs provide 24/7 one-way LF/VLF transmission of strategic and tactical messages to submarines.

Fixed Submarine Broadcast System Digital Systems (FSBS DS)

Submarine Operating Authority (SOA) systems provide 24/7 one-way VLF/LF/HF transmission of strategic and tactical messages to submarines from shore sites around the globe

Low Band Universal Communications System (LBUCS)

LBUCS modernizes portions of the FSBS transmit and receive functions to maintain reliable and supportable VLF/LF communications. (ACAT IV)

Take-Charge and Move-Out (TACAMO) Ground Communications

The TACAMO supports Fixed and Mobile strategic ground communications to support the nation's sea-based strategic deterrent capabilities.

Submarine Antenna Modifications and Sustainment (SAMS)

SAMS provides sustainment support and improved reliability, maintainability and availability upgrades for legacy submarine antenna systems.

BRR-6/Submarine Communications Buoy (SCB)

The BRR-6 Towed Buoy Antenna provides modernization and long-term buoy redesign initiatives for strategic communication assets.

Undersea Communications

Undersea Communications 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)

The OCOMMS program involves research, development, test and evaluation of OCOMMS capabilities suitable for deployment on unmanned/manned, aerial, and underwater systems.