Undersea Communications & Integration Program Office

Who We Are and What We Do

We enable the United States Submarine Force to provide deterrence and if necessary, fight and win against all adversaries. PMW 770 provides critical communications systems and capabilities from shore to seabed between strategic and tactical undersea platforms and the Navy's tactical grid to ensure undersea dominance.

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.

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.

Submarine High Data Rate (SubHDR)

SubHDR supports EHF Low Data Rate, Medium Data Rate, military Super high Frequency and Global Broadcast Services for all submarine classes.

Antenna Improvements/Submarine Antenna Modifications and Sustainment (SAMS)

Provides RMA improvements and continued Pre Planned Product Improvements (P3I) assessments in support of legacy and future submarine antenna applications. Project develop components up to the TRL 8, at which point they are transitioned to the SAMS POR for sustainment and availability upgrades for legacy submarine antenna systems.

Time and Frequency Distribution System (TFDS)

Distributes precision time and frequency references required by Submarines equipment in communications, electronic warfare, periscope, navigation, sonar, and combat systems

Low Band Universal Communications System (LBUCS)

LBUCS modernizes portions of the Fixed Submarine Broadcast System (FSBS) Transmit (Shore) and Receive (Shore and all submarine classes) functions to maintain assured and resilient VLF/LF communications.

Timely Information for Maritime Engagements (TIMEly)

TIMEly is an undersea acoustic communications network designed to support domain awareness, command and control, and information sharing. Unmanned Undersea Vehicle Operation Center (UUV OC)

UUV OC provides over-watch and reach-back capability to deployed UUVs on a global scale. It provides mission planning, Command, Control, and Communications (C3), mission briefings, operator training, mission support functions and post mission analysis.

High Power Transmission Equipment (HPTE)

FSBS HPTE 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 VLF/LF transmission of strategic and tactical message to all submarine classes.

Navy Modernized Hybrid Solution (NMHS)

NMHS provides Joint assured specialized messaging services for the receipt, validation, storage, and forwarding of messages to nuclear force elements.

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

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

BRR-6

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

Submarine Operating Authority (SUBOPAUTH)

SUBOPAUTH serves as the Command and Control for deployed submarines and hosts a suite of systems in Broadcast Control Authority (BCA) sites around the globe. Its suite of systems provide transmission across the full frequency spectrum of strategic and tactical messages to US and Allied submarines.

LCI / Modernization

Serve as the Nuclear Command, Control, and Communications (NC3) Lead Capability Integrator for PEO C4I. Deliver Integrated C4I/ IT capabilities to U.S. Naval Submarines and Undersea Shore Communication Sites worldwide.

Submarine Launched Over-the-Horizon-Buoy (SLOTH-B) / The Enhanced-Submarine Launched Over-the-Horizon Tactical (E-SLOT)

These expendable buoys provide transmit-only, Line-of-Sight (LOS) and Satellite communications at speed and depth.

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