



## **Undersea Communications & Integration Program Office**

### **Who We Are and What We Do**

PMW 770 delivers vital C4I capabilities to the Navy by connecting and integrating the architecture of undersea vehicles (Submarine and unmanned) and Mobile communications to maximize joint warfighting command, control, and communications.

### **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 Services for all submarine classes. (ACAT III)

#### **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. (ACAT IV)

#### **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. (AAP)

#### **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. (AAP)

#### **Submarine Antenna Modifications and Sustainment (SAMS)**

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

#### **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. (AAP)

#### **BRR-6/BST-1 (SCB)**

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

#### **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. (Project)