



Program Executive Office  
Command, Control, Communications,  
Computers, Intelligence and Space  
Systems (PEO C4I and Space Systems)

---

## PMW 770 NDIA Fall Undersea Warfare Conference

23 SEPT 2020  
CAPT David Kuhn  
PMW 770 Program Manager  
David.Kuhn@NAVY.MIL

Distro A



*Deliver threat-based C4I and space capabilities to enable  
the fleet to compete, deter and win – tonight*



# Warfighting, Warfighters, and The Future Navy



**Integrate** – Integrate platforms, weapons, and sensors as a warfighting platform

**Enable** – defend the information warfare platform to enable secure flow of data to gain decision superiority

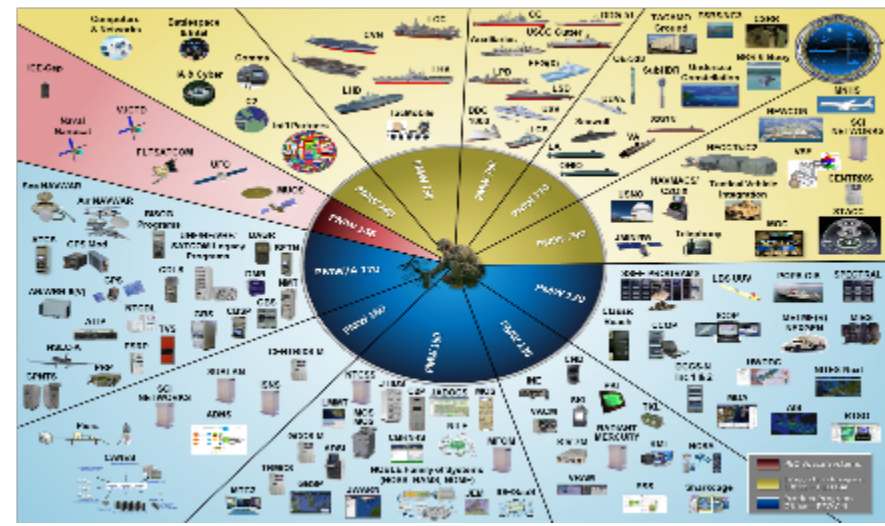
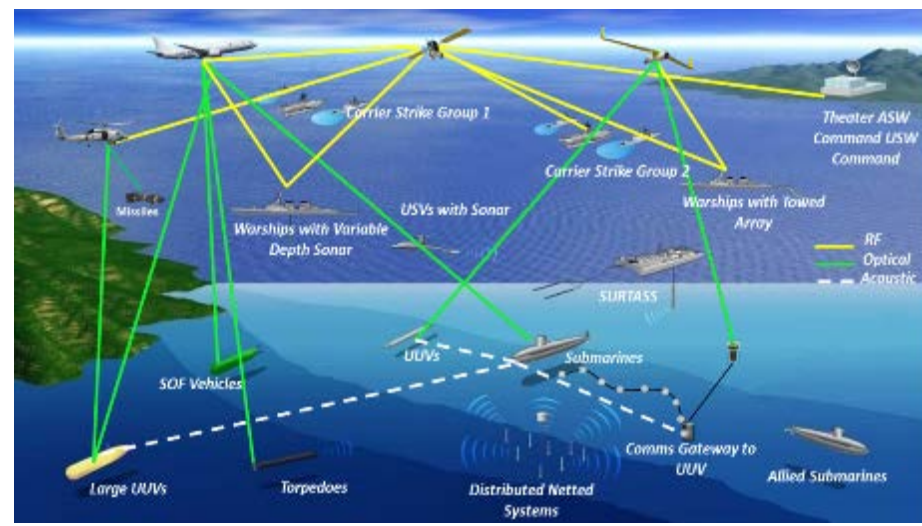
**Leverage** - leverage networks, cloud computing, machine learning and artificial intelligence to connect all weapons and sensors

**Digitize** – digitization increases lethality, integrates new technologies and improves information warfare capabilities

## Our Challenge

Deliver integrated warfighting capability....

....While managing at the program level



**Accelerated Delivery of Required Capability that is Affordable, Integrated and Interoperable**



# Undersea Communications and Integration Program Office (PMW 770)

## VISION

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 between strategic and tactical undersea platforms and the Navy's tactical grid to ensure undersea dominance.

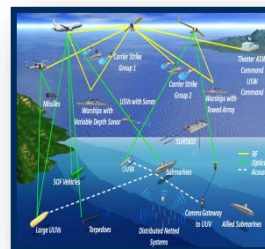
## Current Capability Areas



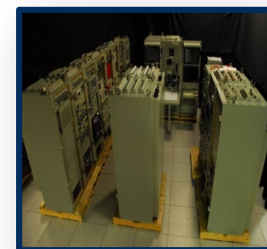
Antenna Systems and Special Comms



Shore/NC3 Systems Integration



Technology Transition and Special Programs



Submarine Comms and Integration

## MISSION

Provide and sustain the most advanced Undersea C4I capabilities for the United States Navy's strategic and undersea forces.

# Improving Today – Transforming Tomorrow



# Challenges for the Future – A New Paradigm



## • Recent SWFTS/C4I Modernization Summit

- New submarine classes will require new installation processes
- Require close linkages between PEO C4I and PEO Sub
- Need to further strengthen system-of-systems alignment among PORs/PMWs

## • Evolving UUV and Submarine Operations

- Developing UUV Operations Center (UOC) of the future
- Undersea Constellation
- PMS 406 & PMW 770 have formed SHAPM/PARM relationship for delivery of UUV POR Comms Systems

## • Widening our Lead Undersea Starts NOW

- Close cooperation and early involvement in development are crucial
- Will require new processes and digital tools



*Fixed Submarine Broadcast System*



# PMW 770 POCs



- PMW 770 Military Distribution

[PEOC4IPMW770MIL@navy.mil](mailto:PEOC4IPMW770MIL@navy.mil)



---

**Accelerated delivery of required capability that is affordable, integrated and interoperable**