PMW 160
Tactical Networks

WHO WE ARE

PMW 160 is the Navy's program office for tactical networks, providing mission effective, affordable and cyber resilient networks for Navy tactical forces. PMW 160 delivers integrated wide and local area networking, computing and data systems afloat to support a robust network of geographically dispersed Navy, joint service and coalition forces.

FY 25-27 PRIORITIES

Automation: PMW 160 is leading the way in automation efforts focused on improvements to the reliability, resiliency, and speed to fleet capabilities by rolling out automated tools and capabilities known as "Tactical Networks (TN) Family of Tools".

Enable Agile Capability Delivery: Modernize, Repair, Anytime, Anywhere. Delivery of tactical network capability where needed, when needed. Delivering hardware and software enabled capability across the spectrum of platforms. Establishment of a superior delivery pipeline of highly modular network capability.

Drive Continuous Readiness: Automated Networks, Autonomous Sailors. Highly automated, intuitive self-healing networks, delivering near continuous Operational Availability and achieving Sailor Self Sufficiency. Owned by ready and resilient sailors, able and confident to maintain, fight, and defend their networks supported by intuitive designs, automation, timely and relevant data coupled with enhanced remote SME support to inform their actions.

World Class PMO: Use digitalization to accelerate and drive efficiencies in PMW 160 programmatic, business and engineering activities.

TOP PROGRAMS

Consolidated Afloat Networks and Enterprise Services (CANES) (ACAT IAC)

CANES is a Chief of Naval Operations-directed program that delivers an afloat warfighting network platform. Replacing five existing networks, CANES enables the next generation for command and control (C2) and intelligence, surveillance and reconnaissance capabilities and significantly increases operational effectiveness by hosting or connecting hundreds of warfare, C2, intelligence, logistics, business and administrative applications across multiple security domains. CANES provides data, transport, computing, voice and video services, systems management, enterprise services and cybersecurity functionality.

Automated Digital Network System (ADNS) (ACAT II)

ADNS supplies the tactical wide area network (WAN) capabilities of the naval communications system, providing surface ship, submarine, airborne, tactical-shore and shore-based WAN gateway services management. Includes Communications-as-a-Service (CaaS) capability which is an integrated software-defined network designed to provide provisions delivery of mission data and provide control-based, traffic-engineered networking which supports tactical data delivery requirements.

Enterprise Piers Connectivity Architecture (EPCA) (Project)

EPCA ("Piers") program provides a secure, transparent, cost-effective, terrestrial transport solution to the Fleet while docked at US Navy-controlled piers worldwide. EPCA's goal is to provide 'equal or better' capability pier-side as is available at sea.

Legacy Network Systems (LNS) (ACAT II/III)

The predecessor to CANES and is comprised of Integrated Shipboard Network System (ISNS), Sensitive Compartmented Information networks (SCI Networks), Combined Enterprise Regional Information Exchange System Maritime (CENTRIXS-M) and Submarine Local Area Network (SubLAN).

Application Integration (AI)

The AI process identifies, assesses, integrates, and tests all systems and applications using network services and transport provided by CANES, ISNS, ADNS, SCI Networks, SubLAN, and CENTRIXS-M. This process ensures shipboard networks application baselines are fully integrated and cyber ready to support Navy missions afloat.

Agile Core Services (ACS)

ACS provides the service-oriented architecture for CANES, including the Navy Tactical Analytics Framework.

Contact Information: CAPT Nicole Nigro, Program Manager, 619-524-7909, Nicole.k.nigro.mil@us.navy.mil