



PMW 160 Tactical Networks Program Office

Who We Are and What We Do

PMW 160 is PEO C4I's program office for tactical networks, providing operationally effective and cost-efficient networks for Navy tactical forces. PMW 160 delivers integrated wide area, local networking and foundation computing systems to support a robust network of well-informed, geographically dispersed Navy, joint service and coalition forces.

Top Programs and Services

- **Consolidated Afloat Networks and Enterprise Services (CANES) (ACAT IAM)**

CANES is a Chief of Naval Operations-directed program that transforms the afloat network into a cyber platform. Replacing five existing networks, CANES enables the next generation of 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. Additionally, CANES provides data, transport, voice and video services, systems management, enterprise services and cybersecurity functionality. Through constant competition, government-owned data rights and use of open architecture standards, the CANES program reduces Navy network total ownership costs. CANES achieved Initial Operational Capability in October 2013.

- **Automated Digital Network System (ADNS) (ACAT II)**

ADNS supplies the tactical wide area network (WAN) component of the naval communications system, providing surface ship, submarine, airborne, tactical-shore and shore-based WAN gateway services management. Since its initial deployment in 1997, ADNS has evolved through multiple increments. Increment III increases network capacity by adding the ability to utilize higher bandwidth available with newer satellite communication (SATCOM) systems. Efficiency is increased by converging to all-IP voice/video/data and implementing dynamic load distribution across SATCOM links.

- **Integrated Shipboard Network Systems (ISNS) (ACAT II)**

As a sustainment measure, ISNS has developed a short-term solution to modernize older legacy networks while awaiting future CANES installations. This solution includes a security-based refresh that provides a robust upgrade to end-of-life equipment and eradication of the Windows XP operating system. Based on particular platforms, upgrades will include server, router, switch and PC refreshes, COMPOSE 4.0.1 software and tape drive replacement. These improvements are focused on surface vessels and subs not scheduled to receive CANES prior to FY18.

- **Application Integration**

Identifies, assesses, integrates and tests all systems and applications using network services and transport provided by CANES, ISNS, ADNS, Sensitive Compartmented Information Networks (SCI Networks) and the Combined Enterprise Regional Information Exchange System (CENTRIXS). This process helps ensure shipboard networks are controlled and manageable.

- **Core Enterprise Services (CES)**

CES provides the core software products to deliver network services and tools such as directory services, e-mail, Web browsing, office automation applications, collaboration tools and antivirus capabilities for CANES, ISNS, SCI Networks, CENTRIXS and Submarine Local Area Networks.

FY15 Priorities

- CANES installations to pace the cybersecurity threat, Full Deployment Decision and Production Contract execution
- ADNS Increment III surface and shore installations, including Service Pack 3 initial fielding
- Systems integration tests and network certification on all applications and systems in support of CANES installations

Contact Information

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