



News Release

United States Navy

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SAN DIEGO - SAN DIEGO - Northrop Grumman Space & Mission Systems Corp., Reston, Va., is being awarded a \$17,437,358 indefinite-delivery/indefinite-quantity, cost-plus-incentive-fee, cost-plus-fixed-fee and firm-fixed-price contract for the Consolidated Afloat Networks and Enterprise Services (CANES) common computing environment. The primary goals of the CANES program are to build a secure afloat network required for naval and joint operations, and consolidate and reduce the number of afloat networks through the use of mature cross domain technologies and common computing environment infrastructure. This contract includes options which, if exercised, would bring the cumulative value of this contract to an estimated \$775,339,532. Work will be performed in San Diego, Calif., and is expected to be completed by April 2011. If all options are exercised, work could continue until September 2014. Contract funds will not expire at the end of the current fiscal year. This contract was competitively procured with unlimited proposals solicited and four offers received via the Commerce Business Daily's Federal Business Opportunities Web site, and the SPAWAR e-Commerce Central Web site. The Space and Naval Warfare System Command in San Diego is the contracting activity (N00039-10-D-0028).

Questions and Answers

Consolidated Afloat Networks and Enterprise Services (CANES)

Q1. What is CANES?

The primary goals of the CANES program are to 1) Build a secure afloat network required for Naval and Joint operations; 2) Consolidate and reduce the number of afloat networks through the use of mature cross domain technologies and CCE infrastructure; 3) Reduce the infrastructure footprint and associated costs for hardware afloat; 4) Provide increased reliability, application hosting, and other capabilities to meet current and projected Warfighter requirements; and 5) Federate Net-Centric Enterprise Services (NCES) Service Oriented Architecture (SOA) Core Services to the tactical edge to support overall Department of Defense (DoD) Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) applications migration to a SOA environment.

Q2. Why does the Navy need CANES?

CANES will increase efficiencies by consolidating existing legacy and standalone afloat C4ISR networks and providing an adaptable, responsive, information technology (IT) platform to meet rapidly changing warfighting requirements while reducing shipboard hardware footprint and overall life cycle costs. CANES is a cultural shift in acquiring, fielding, operating, and supporting Navy networks from a business and operational perspective. Additionally, gains are provided by streamlining acquisition, contracting and test events.

Q3. How does CANES meet this need?

CANES will implement a scalable Common Computing Environment (CCE) and Service Oriented Architecture (SOA) infrastructure allowing the fusion of all warfighting, intelligence, and business mission area information across all security enclaves. This implementation will provide the Navy a single and highly scalable Information Operations, Intelligence, Surveillance and Reconnaissance (IO/ISR) network infrastructure supporting mission area application hosting and SOA service delivery across all Communities of Interest (COI). CANES will make meeting Fleet mission capabilities more efficient by enabling interoperability for hosted COI services and providing a more economical network infrastructure via a single coherent, common, and manageable network environment. CANES' emphasis on a consolidated IO/ISR network infrastructure promotes efficiencies by simplifying logistics support, training, interoperability, and provides a more rational technology insertion scheme.

CANES will provide a core set of highly survivable, secure shipboard network services for afloat platforms and Maritime Operations Centers (MOC) ashore.

Q4. Where will CANES be installed first?

CANES will first be installed on two DDG class ships to support an Operational Test (OT) of the design.

Q5. What products and services are provided by this contract?

The program office is employing a multiple-phase, multiple-award down-select contract strategy to reduce program risks, and maintain competition in both design development and production pricing during contract

performance. Two competitive contracts will be awarded to design, develop, and deliver a CANES Engineering Development Model (EDM) consisting of all hardware and the associated operating system, virtualization and other commercial software needed to deliver a functional network. Following system development, a down-select evaluation will be conducted to choose the best design to go on to build Low Rate Initial Production (LRIP) units. The contract also includes requirements for Full Rate Production (FRP) units, associated provisioned items, and engineering support services.