



## Northrop Grumman Completes US Navy CANES Shipboard Networking Milestone

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### Next-generation maritime C4I network design, development and limited deployment phase concluded

SAN DIEGO, June 1, 2015 /PRNewswire/ -- Northrop Grumman Corporation (NYSE: NOC) has successfully completed the Consolidated Afloat Networks and Enterprise Services (CANES) program's design, development and limited deployment phase for the U.S. Navy.

The Northrop Grumman logo, consisting of the words "NORTHROP" and "GRUMMAN" in a bold, blue, sans-serif font, with a blue curved underline beneath the text.

CANES is a programmatic and technical consolidation of five legacy shipboard network programs. CANES provides a modern, common computing environment across the fleet to upgrade cybersecurity, command and control, communications and intelligence (C4I) and streamline logistics.

"We are honored and proud to contribute significantly to this critical component of the Navy's modernization plan," said Sam Abbate, vice president and general manager, command and control division, Northrop Grumman Information Systems. "By maximizing commonality, Northrop Grumman has delivered dozens of affordable, highly capable shipsets to enable warfighter information dominance."

Since winning the contract for the design and limited-production run for CANES in early 2012, Northrop Grumman has delivered 37 shipsets for various ship classes. The company leveraged its cyber expertise to ensure cyber-robust CANES systems. The company also applied its Modular Open Systems Approach-Competitive™ process to encourage continuous competition and achieve the lifecycle benefits of open systems architecture and commercial off-the-shelf components and software.

"The Navy used one of our CANES configurations and applied it to a destroyer and a cruiser, demonstrating the flexibility of our design to reduce network variants by ship class," Abbate said.

CANES will be installed on all platforms in the Navy's inventory objective, which includes ships, submarines and land sites. CANES installations have been successfully completed on several aircraft carriers and cruisers and on multiple destroyers. Installations continue on carriers, an amphibious assault ship, landing dock ships, cruisers and destroyers.

Northrop Grumman is a leading provider of full-spectrum cyber solutions to the United States government and to allied nations around the world. The company has more than 40 years of C4ISR experience and has fielded the majority of the Navy's C4ISR applications.

Northrop Grumman is a leading global security company providing innovative systems, products and solutions in unmanned systems, cyber, C4ISR, and logistics and modernization to government and commercial customers worldwide. Please visit [www.northropgrumman.com](http://www.northropgrumman.com) for more information.

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