



Acquisition Directorate



Coast Guard Cutter Woesche served as the test platform for Sea Commander and demonstrated the system's capabilities at the 2014 RIMPAC international naval exercise.



BENEFITS

- Effective electronics systems equip cutters for the full range of Coast Guard missions
- Improved interoperability with partner agencies, other U.S. military units and allied nations
- Advanced radio, satellite and internal communications
- Improved sensor capabilities, including enhanced radar and infrared scanners
- Efficient design that lowers long-term maintenance costs

PROGRAM DESCRIPTION

The U.S. Coast Guard's command, control, communications, computers, intelligence, surveillance and reconnaissance acquisition program develops and integrates electronic equipment and computer systems on Coast Guard cutters.

The C4ISR program acquires and integrates electronic sensors and computer networking, data processing and information-sharing equipment, enabling Coast Guard operators to perform mission tasks, develop situational awareness and improve coordination with U.S. agencies and allied nations. The program also provides command and control equipment that enables cutter crews to navigate, maneuver, target and fire weapons, collect and analyze sensor data, and perform other tasks to support ship operations.

The C4ISR program conducted combat trials in December 2015 for the Sea Commander system, which provides sensor information, target tracking, weapons control, and other tactical capabilities for the national security cutter. Sea Commander has been installed on Coast Guard Cutter Woesche, and the C4ISR program will begin upgrading the other NSCs in summer 2016.

The program also acquires communication and information-sharing capabilities for Coast Guard cutters. The

project is equipping cutters to transmit voice and data communications via radio and satellite more efficiently. Chat and instant messaging have improved coordination with other vessels and aircraft during missions, and improved data sharing allows NSC commanders to share briefing materials and other files with partners. The new systems allow operators to organize missions with multiple units from the Coast Guard, other U.S. agencies and allied nations using shared tactical and intelligence information from multiple sources.

In 2015, the C4ISR program began installing upgraded internal communications equipment on in-service cutters. The new equipment includes improved wireless radio systems and hands-free headsets that increase efficiency in firefighting and other emergency situations.

Advanced C4ISR systems are necessary for the Coast Guard to carry out its law enforcement, environmental protection, and search and rescue missions. The service has also taken on greater counterterrorism and homeland defense responsibilities, and upgraded systems are required to meet those challenges. The C4ISR program strives to ensure that Coast Guard operators are always equipped with the capabilities needed to execute mission tasks.

For updates on C4ISR, visit the program's website at <http://www.uscg.mil/acquisition/c4isr/>

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Mission execution begins **here**.