Acquisition Directorate
United States Coast Guard

USCG C4ISR Acquisition Program (CG-9335)

2018 Sea-Air-Space Exposition

C4ISR Program Website
https://www.dcms.uscg.mil/Our-Organization/Assistant-Commandant-for-Acquisitions-CG-9/Programs/C4ISR-Programs/C4ISR/

C4ISR Program Overview

Mission

Acquire and deliver more capable, integrated, and interoperable C4ISR systems that support Coast Guard operational forces in executing missions effectively and efficiently.

Sea Commander:

- Integrated Command & Control baseline for National Security Cutter (NSC)

SeaWatch:

- Integrated Command & Control baseline for Fast Response Cutter (FRC) and future Offshore Patrol Cutter (OPC) & Heavy Polar Icebreaker (HPIB)

C4ISR Services:

- Information Assurance for NSC, OPC, FRC, and Aviation
- Configuration Management
- System Engineering
- Combat/Weapons, Software Safety Authorization & Cert
- Test and Evaluation
- Navigation & Communication
- Platform Representatives

C4ISR Program Organization

USCG HQ Office:

- C4ISR Acquisition Program Management
- New Asset Acquisition Management

Moorestown, NJ Detachment:

- Design, develop, integrate, test and deploy NSC C2 system

C3CEN Detachment:

- Design, develop SeaWatch system for FRC and future OPC & HPIB
- Coordinate 270’ Medium Endurance Cutter, System Life Extension Program (SLEP) Joint Acquisition Management Activities

Program Highlights

Sea Commander (Aegis Based) Combat System:

- System integration and upgrades
- Met DoD requirements for WIN 10 Secure Host Baseline (SHB)
- Completed common hardware upgrade & Aegis baseline upgrades on all active NSC's (1-6)
- Supported CGC HAMILTON and JAMES combined Combat Ship System Qualification Trial (CSSQT)

SeaWatch:

- Delivered new version of SeaWatch v3.0 - WIN 10 SHB & Common access card (CAC)/Public Key Infrastructure (PKI)
- Supported OPC SeaWatch implementation design efforts

New Acquisition Support:

OPC

- Continued OPC Program support for all C4ISR design and procurement efforts

FRC

- Post delivery C4 systems integration & cybersecurity scans of four hulls
- Assisted in successful award and completion of Phase 2 of FRC contract

HPIB

- Delivered the final C4ISR design package that was included in HPIB RFP
- Installed Vibration Sensors on CGC POLAR STAR to assist HPIB ship design requirement

C4ISR Future Plans (Next 12 Months)

- Complete Sea Commander upgrade installation at Training Center Petaluma, CA
- Complete development and conduct prototype evaluation of Sea Commander block upgrade with latest U.S. Navy Aegis Baseline and Link (SAT-16)
- Support future NSC cybersecurity testing event
- Support CSSQT test event for CGC HAMILTON and JAMES
- Coordinate SeaWatch upgrades with the final FRC build option
- Finalize design and prototyping of SeaWatch upgrades
- Continue collaboration with other CG programs (OPC, FRC, HPIB, NSC, ISVS, sUAS) to ensure up to date C4ISR technology

Summary

- C4ISR Program is fully supporting NSC and FRC C4ISR needs, post delivery activities, and testing
- C4ISR Program is matrixed with OPC, HPIB sponsors and 270’ SLEP program to develop affordable and interoperable C4ISR designs
- Program remains flexible and resourced to fully support current and future Aviation and Surface asset C4ISR requirements

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Questions?

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