

Example Technology Areas of Interest



Advanced computing capabilities

Identification of technologies for collecting and utilizing information including: data analytics, machine learning and artificial intelligence capabilities that may improve Coast Guard operation and business models.



Next generation domain awareness

New technologies, such as advanced sensors and autonomous vehicles, poised to drastically mitigate risk and extend the reach of Coast Guard operations in the maritime domain.



Mobility solutions for operations and support activities

Introduction of emergent tools to enhance frontline operations and related support requirements by allowing members to collaborate and execute, on scene and on demand.



Enhanced technology systems

Increase operator safety and security with technologies that enhance Coast Guard operations and improve logistics systems for global search and rescue, law enforcement, environmental protection and disaster response missions.



*“(The Blue Technology Center of Expertise) will create a unique pipeline for the rapid identification and implementation of **new maritime technologies** into critical Coast Guard operations around the globe.”*

Vice Admiral Michael F. McAllister
Deputy Commandant for
Mission Support

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[https://www.dcms.uscg.mil/
acquisition/bluetechcoe](https://www.dcms.uscg.mil/acquisition/bluetechcoe)



Acquisition Directorate
Research, Development, Test & Evaluation



U.S. Coast Guard Blue Technology Center of Expertise



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What is Blue Technology?

Blue technology is defined by Congress as any technology, system or platform

- Designed for use or application above, on or below the sea surface
- Otherwise applicable to Coast Guard operational needs
- Capable of providing continuous or persistent coverage
- Capable of supporting or facilitating:
 - Maritime domain awareness
 - Search and rescue
 - Emergency response
 - Maritime law enforcement
 - Marine inspections or investigations
 - Protection and conservation of the marine environment

About the Blue Technology Center of Expertise

The Coast Guard's Blue Technology Center of Expertise (BTCOE) acts as a conduit between the service and the technology sector. The foundational mission of the BTCOE is to leverage partnerships to continually foster an innovative service culture and new ideas to enhance field operations.

The BTCOE is a partnership between the U.S. Coast Guard and U.C. San Diego Scripps Institute of Oceanography designed to educate industry, academic and government partners about Coast Guard missions and technology requirements, and to facilitate integration of state-of-the-market tools and capabilities in support of the Coast Guard's operational mission areas.

The BTCOE uses a new, outreach-based approach to introduce new capabilities to Coast Guard decision-makers by providing guidance and opportunities to creators of innovative technologies.

Working with Us

The BTCOE is open to meeting with creators of technologies from around the world. While high-tested or operational technologies have a significant benefit to the Coast Guard, the BTCOE is interested in meeting with innovators that have technologies from various technology readiness levels. We look forward to working with you.

Please reach out to the Blue Technology Center of Expertise if you have technologies, groups, events or other activities that might be of interest to the Coast Guard. Visit www.uscg.mil/acquisition/bluetechcoe to learn more about our research needs, partnership opportunities and upcoming events.

