



BTCOE Technology Submission Form

The BTCOE recognizes that each company may have multiple technologies that may be of interest to the U.S. Coast Guard. A separate form must be completed for each technology. Please complete each form to the best of your ability, providing as much detail as possible to ensure an adequate assessment of your technology's potential value to the service.

Institution/Company Name:

POC/Contact Information:

Website (if applicable):

Technology Name:

Technology Description:

Coast Guard Domain (check any that apply):

- Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR)** encompasses systems, procedures and techniques used to collect and disseminate information to include information management, cyber-security, the automatic information system, tactical communications system management, intelligence, surveillance and reconnaissance
- Environment and Waterways** branch provides technical expertise in the areas of navigation, search and rescue, spill pollution prevention and response, non-indigenous species, fisheries management, and the automatic information system.
- Modeling and Simulation** provides Coast Guard program managers and operational commanders with access to modeling and simulation analysis to meet life cycle and mission needs for acquisition, strategy, operations and tactics.
- Surface** focuses on the offensive and defensive security of U.S. ports, vessels that operate within those ports, and the critical infrastructure within those ports that supports the nation's economy, alternative energy technologies, and Arctic capabilities.
- Systems and Unmanned Technology** provides operations research and analysis skills for sensor technologies, operational test and evaluation, unmanned aircraft systems, human systems integration and mission analysis.

Technology Areas of Interest:

- Advanced computing capabilities** (Data analytics, machine learning, artificial intelligence)
- Next generation domain awareness** (Advanced sensors and autonomous vehicles)
- Mobility solutions for operations and support activities** (Emergent tools to enhance frontline operations)



- Enhanced technology systems** (Increase operator safety and security with technologies that improve Coast Guard missions)
- Other** (Please describe and provide tags/key words)

Technology Readiness Level:

- | | | |
|---|--|---|
| <input type="checkbox"/> 0 – Idea | <input type="checkbox"/> 4 – Small-Scale Prototype | <input type="checkbox"/> 8 – First-of-a-Kind Commercial System |
| <input type="checkbox"/> 1 – Basic Research | <input type="checkbox"/> 5 – Large-Scale Prototype | <input type="checkbox"/> 9 – Full Commercial Application |
| <input type="checkbox"/> 2 – Technology Formulation | <input type="checkbox"/> 6 – Prototype System | |
| <input type="checkbox"/> 3 – Needs Validation | <input type="checkbox"/> 7 – Demonstration System | |

Articulate your objectives, excluding jargon. What are you trying to accomplish?

How is it done today, and what are the limitations of current practice?

What is new in your approach and why do you think it will be successful?

If you are successful, how will your solution improve Coast Guard operations?



What are the risks to development?

What are the costs to complete the solution? To maintain?

What is the estimated timeline for completion?

Please describe the mid-term and final milestone criteria to determine progress.

Please save this form and add it as an attachment when sending back. -->