



Homeland
Security

United States
Coast Guard



**Overview of Current U.S. Coast Guard
Small Boat Programs**

The background for the title is a composite image. On the left, a red and white helicopter is shown in flight against a light blue sky. On the right, a white and red USCGC cutter is shown at sea, with a coastal town visible in the background.

By: Frank DeBord

A woman in a red shirt and blue jeans is working in a warehouse or storage area, looking at a large blue plastic crate filled with various items. The background shows more crates and a building.

USCG Surface Forces Logistics Center

A large, white, multi-story building with a central tower and a flagpole in front, set against a clear sky. The building appears to be a Coast Guard facility.



- Review U.S. Coast Guard Small Boat Missions
- Discuss Typical Small Boat Characteristics
- Review Recent Acquisition Programs
- Discuss Issues and Problems





Homeland
Security

Missions

United States
Coast Guard



- Search and Rescue
- Maritime Law Enforcement
- Port Security
- Environmental Protection
- Maintaining Aides to Navigation
- Military Readiness



Assistant Commandant for
Engineering and Logistics (CG-4)



Boat Operations



The U.S. Coast Guard Operates 1800 Small Boats

- Response Boats – stationed at permanent shore stations on coastal and inland waterways
- Cutter Boats – stationed aboard Coast Guard cutters at sea
- Transportable Port Security Boats – mobile units for deployment in emergencies or special situations
- Aides to Navigation Boats – transportable or stationed aboard buoy tenders





Homeland
Security

Response Boat Medium (RB-M)

United States
Coast Guard



- LOA 45 ft
- Beam 14.75 ft
- Draft 3.33 ft
- Propulsion Twin Diesel Waterjets

- Max Speed 42.5 knots
- Range 250 nm at 30 knots

- Operations 8 ft sig. seas
- Survival 12 ft sig. seas



Assistant Commandant for
Engineering and Logistics (CG-4)



Homeland
Security

Response Boat Small (RB-S)

United States
Coast Guard



- LOA 25 ft
- Beam 8.5 ft
- Draft 3.25 ft
- Propulsion Twin Outboard
- Max Speed 45 + knots
- Range 50 nm at 35 knots
- Operations 6 ft sig. seas
- Survival 10 ft sig. seas



Assistant Commandant for
Engineering and Logistics (CG-4)



Homeland
Security

Cutter Boat (CB-OTH)

United States
Coast Guard



- LOA 26 ft
- Beam unknown
- Draft unknown
- Propulsion Diesel Waterjet
- Max Speed 40 knots
- Range 200 nm at best speed
- Operations 9 ft sig. seas
- Survival 13 ft sig. seas



Assistant Commandant for
Engineering and Logistics (CG-4)



Homeland
Security

Long Range Interceptor (LRI)

United States
Coast Guard



- LOA 36 ft
- Beam unknown
- Draft unknown
- Propulsion Twin Diesel Waterjet
- Max Speed 33+ knots
- Range 240 nm at best speed
- Operations Sea State 5
- Survival Sea State 6



Assistant Commandant for
Engineering and Logistics (CG-4)



- Major Procurements
 - Provide opportunities to buy the “right” boat and specify design and construction
 - Long lead time
 - Expensive
 - Procurements can include good documentation and support
- Commercial Off-the-Shelf (COTS) Procurements
 - Limited ability to specify design and construction
 - In some cases cannot acquire desired features
 - Some small builders cannot provide required documentation and support
- Verification that Specifications are Satisfied





Key Support Issues



- Obtain and verify documentation
 - Drawings
 - Technical Manuals
 - Maintenance Procedures
 - Transition to 3D Models
- Initial Spare Parts and Long-Term Availability
- Training for Operation and Maintenance





Homeland
Security

Primary Degraders

United States
Coast Guard



- Outboard Motor and Inboard/Outboard Lower Units
- Aluminum Weld Quality and Structural Details
- Electrical/Electronic Systems
- Operators Exceeding Design Limits



Assistant Commandant for
Engineering and Logistics (CG-4)



Homeland
Security

United States
Coast Guard



Questions?



Assistant Commandant for
Engineering and Logistics (CG-4)