





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

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





Missions





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







The U.S. Coast Guard Operates 1800 Small Boats

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





Response Boat Medium (RB-M)





- 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







Response Boat Small (RB-S)





- 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





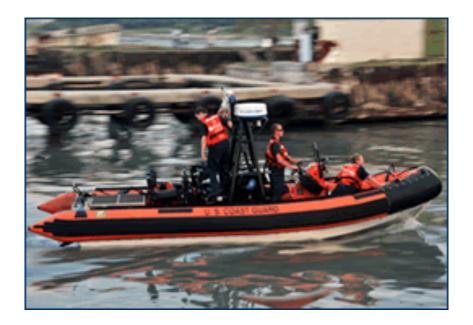


Cutter Boat (CB-OTH)





- LOA 26 ftBeam 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







Long Range Interceptor (LRI)





- 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











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









- 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









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







Questions?

