



Acquisition Directorate



Fast Response Cutter/ Sentinel-class Patrol Boat

May 2009



"The Fast Response Cutter (FRC) Sentinel-class patrol boat is a vital part of the Coast Guard's efforts to revitalize its fleet while providing the best value for the taxpayers and the U.S. government. The Sentinel-class, which will be a workhorse of the Coast Guard fleet and replace the venerable 110 ft Island-class patrol-cutters, will provide Coast Guard men and women with the capable assets they need to save lives, secure our maritime borders, and protect the environment."

—ADM Thad W. Allen, Commandant, U.S. Coast Guard.

Project Description:

The U.S. Coast Guard requires a patrol boat that is capable of deploying independently to conduct missions that include port, waterways and coastal security; fishery patrols; search and rescue; and national defense. The Sentinel-class patrol boat will save lives, enforce U.S. and international maritime law, and ensure security along the United States' 95,000 nautical miles of coastline.

Mission Capability:

The Sentinel-class patrol boat will be 153-feet long, capable of speeds of 28 plus knots and armed with one stabilized, remotely-operated 25mm chain gun and four crew-served .50 caliber machine guns. It will have a crew capacity of 22 people and will be able to perform independently for a minimum of five days at sea and be underway for 2,500 hours per year.

The Command, Control, Communication, Computers, Intelligence, Surveillance, and Reconnaissance,

(C4ISR) systems on the Sentinel-class patrol boat will be fully interoperable with not only the Coast Guard's existing and future assets, but those of our partners, the Department of Defense and the Department of Homeland Security.

The Sentinel-class patrol boat project will deliver vital capability to the Coast Guard, helping to meet the service's need for additional patrol boats. The current patrol boat operational gap hinders the Coast Guard's ability to most successfully and efficiently complete potential missions. This critical Sentinel-class acquisition will help address these identified needs.

Status:

The first Sentinel-class patrol boat will be delivered to Coast Guard District 7 in Miami, supporting vital migrant and contraband interdiction missions conducted throughout the Caribbean Sea and Gulf of Mexico.

Mission execution begins here.

Features

- Enhanced Coast Guard response time with a minimum top speed of 28 knots
- Conducted all missions through Sea State 4 at speeds up to transit speed for 8 hours on all headings
- Survived through Sea State 6 at speeds up to loiter speed for 8 hours on all headings
- Armed with a stabilized 25mm machine gun mount and four non-stabilized, crew-served .50 caliber machine guns
- Fully interoperable C4ISR systems with Coast Guard's existing and future assets, and the Department of Defense

Characteristics

Number Planned:	Up to 58
Length:	153ft. 6in.
Beam:	25ft.
Full Load Displacement:	353lt.
Max Sustained Speed:	>28kts.
Endurance:	5 days
Armament:	Stabilized, remotely operated gun
Stern Launch:	One cutter boat
Crew:	2 officers, 20 crew



Artist renditions of the Sentinel-class patrol boat



The Coast Guard's Acquisition Directorate is responsible for a \$27 billion investment portfolio that includes more than 20 major projects. The Coast Guard's investment in modernization and recapitalization ensures that the operational force has the equipment necessary to remain the lead agency in maritime safety, security and natural resources stewardship.