

NATIONAL SECURITY CUTTER



Acquisition
Directorate



Coast Guard Cutter James (WMSL 754)



CHARACTERISTICS

Length:	418 feet
Beam:	54 feet
Draft:	22 feet 6 inches
Displacement:	4,500 long tons
Maximum Speed:	28 knots
Range:	12,000 nautical miles
Endurance:	60- to 90-day patrol cycles

FEATURES

- Automated weapons systems capable of stopping rogue vessels far from shore
- Large flight deck and hangar space for multiple manned and unmanned aircraft
- State-of-the-art command and control equipment to support cooperation with other units and agencies
- Detection and defense capabilities against chemical, biological or radiological attack
- Advanced sensors to contribute intelligence to a common operating picture and provide enhanced maritime domain awareness
- Standardized long range interceptor-II and over the horizon-IV cutter boats with stern launch and side davit capabilities

PROGRAM DESCRIPTION

The national security cutter acquisition project addresses the Coast Guard's need for open-ocean patrol cutters with the seakeeping, habitability, endurance and technological advancement to serve as command and control centers in the most demanding maritime environments. Each NSC is built to serve as operational-level headquarters for complex law enforcement, defense and national security missions involving Coast Guard and multiple partner agency participation.

The NSCs feature advanced command, control, communication, computers, intelligence, surveillance and reconnaissance equipment, aviation support facilities, stern cutter boat launch, and

long-endurance station keeping. The Coast Guard is acquiring eight NSCs to replace the 378-foot high endurance cutters, which have been in service since the 1960s.

Five NSCs are in service. Coast Guard cutters Bertholf, Waesche and Stratton are stationed in Alameda, California. Coast Guard cutters Hamilton and James are stationed in Charleston, South Carolina.

"The acquisition of the NSC is vital to performing DHS missions in the far offshore regions, including the harsh operating environment of the Pacific Ocean, Bering Sea and Arctic."

— Adm. Paul Zukunft, Coast Guard commandant

Mission execution begins **here.**



For updates on the NSC, visit the program's website at
<http://www.uscg.mil/acquisition/nscl>

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www.uscg.mil/acquisition

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SPECIFICATIONS



Coast Guard Cutter Bertholf (WMSL 750)



Coast Guard Cutter Waesche (WMSL 751)



Coast Guard Cutter Stratton (WMSL 752)



Coast Guard Cutter Hamilton (WMSL 753)

C4ISR SYSTEMS

Coast Guard Command and Control (CGC2)

- AN/SPS-73 surface search radar
- TRS-3D/16-ES air search radar
- Identification friend or foe transponder
- Electro-optical/infrared sensor system
- Automatic Identification System
- AN/SLQ-32 electronic warfare suite

Communications

- HF
- VHF
- UHF
- EHF

HULL, MECHANICAL AND ELECTRICAL SYSTEMS

Propulsion System:

- Two MTU 20V 1163 marine diesel engines
- One General Electric LM2500 main gas turbine

Electrical System:

- Three Caterpillar 3512B ship's service diesel generators.

Shipboard Collective Protection System

Weapons Systems

- One Mk 160 gun fire-control system
- One Mk 110 57-mm naval gun system
- One Phalanx 20-mm close-in weapon system
- Two Mk 53 Nulka decoy launching systems
- Two Mk 36 Super Rapid Blooming Offboard Countermeasures chaff launching systems
- Four .50-caliber machine guns
- Two M240B 7.62-mm machine guns

EXTENDED OPERATIONS

Aviation:

- Two MH-65D helicopters
- or
- One MH-65D and two unmanned aircraft systems (future capability)

Cutter Boats:

- Two OTH-IVs
- One LRI-II