



Acquisition Directorate

NATIONAL SECURITY CUTTER

PROJECT DESCRIPTION:

The Legend-class National Security Cutter (NSC) is the centerpiece of the Coast Guard's fleet, capable of executing the most challenging operations, including supporting maritime homeland security and defense missions. The largest and most technologically advanced of the Coast Guard's newest classes of cutters, the NSCs will replace the aging 378-foot High Endurance Cutters, which have been in service since the 1960s.

Three NSCs are in service. The Coast Guard Cutters Bertholf, Weasche and Stratton are homeported at Coast Guard Island, Alameda, Calif.

For updates on the NSC, visit the project's website at <http://www.uscg.mil/acquisition/nsc/default.asp>.



Coast Guard Cutter Weasche (WMSL 751)

FEATURES:

- Automated weapons systems capable of stopping rogue vessels far from shore
- Large flight deck
- State-of-the-art command and control equipment to enhance interoperability
- 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

CHARACTERISTICS:

Number Planned: eight
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
Crew: 122

"With their unmatched combination of range, speed and ability to operate in extreme weather conditions, the case for the National Security Cutter is simple—we are a safer and more secure nation when they are patrolling the high seas."

—Rear Adm. John Korn, U.S. Coast Guard Assistant Commandant for Acquisition



STATUS:

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 Off-board Chaff launch systems
- Four .50-caliber machine guns
- Two M240B 7.62mm machine guns



**Coast Guard Cutter
Bertholf (WMSL 750)**

EXTENDED OPERATIONS

Aviation

- Two MH-65D helicopters
- or
- One MH-65D and two Unmanned Aircraft Systems (future capability)

Cutter Boats

- Two Over-the-Horizon IVs
- One Long Range Interceptor II



**Coast Guard Cutter
Stratton (WMSL 752)**