



# 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 have been commissioned 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)

Mission execution begins here.

## 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/SQL-32 Electronic Warfare Suite

### Sensitive Compartmented Information Facility (SCIF)

SCI networks and communications  
Ship's Signals Exploitation Equipment

### 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 7.62 mm 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)**