

HC-144 MEDIUM RANGE SURVEILLANCE AIRCRAFT



Acquisition
Directorate

CHARACTERISTICS

Length:	70 feet 2 inches
Wingspan:	84 feet 8 inches
Height:	26 feet 10 inches
Maximum Weight:	36,380 pounds
Cruise Speed:	215 knots true airspeed
Range:	2,100 nautical miles
Endurance:	10+ hours



HC-144 Ocean Sentry



FEATURES

- Standardized Minotaur mission system across all Coast Guard fixed-wing surveillance aircraft
- Glass cockpit instrument panel, autopilot and avionics suite
- Multimode search radar and electro-optical/infrared sensors
- Mission data recording and a first responder/law enforcement and maritime communications suite
- Automatic Identification System
- Secure and nonsecure voice and data using satellite communications
- Automatic Dependent Surveillance – Broadcast (ADS-B)

PROGRAM DESCRIPTION

In combination with the C-27J Spartan, the HC-144 Ocean Sentry provides maritime patrol capabilities as part of the Coast Guard's medium range surveillance aircraft fleet.

The fixed-wing turboprop aircraft's extensive sensor capability and endurance of more than 10 hours help the Coast Guard perform its drug and migrant interdiction, disaster response, and search and rescue missions more effectively.

The HC-144's cockpit affords superior situational awareness. Tactical communications enable crews to track, manipulate and transfer contact information to multiple responding units. The rear ramp allows the aircraft to be reconfigured for varied operations, including command and control, medical evacuation or cargo transport.

The Coast Guard is upgrading its 18 HC-144As to improve mission effectiveness and situational awareness through the Ocean Sentry Refresh (OSR) project. Each aircraft will receive a new cockpit control display unit, which is used in

flight management as the primary avionics computer for communication control, navigation and equipment monitoring. Upon completion, each aircraft is redesignated as an HC-144B.

The service is also integrating the Minotaur mission system across its fixed-wing aircraft. Minotaur integrates multiple sensor data streams and easily tracks detected targets to send information to other platforms and units. The HC-144B Minotaur prototype aircraft began production in Naval Air Station Patuxent River, Maryland, in July 2016 and was delivered to Aviation Training Center (ATC) Mobile, Alabama, in July 2017.

HC-144 Minotaur production began at the Aviation Logistics Center (ALC) in Elizabeth City, North Carolina, in October 2017. Two HC-144 aircraft to undergo Minotaur modifications at the ALC will have received OSR upgrades separately. The Coast Guard will combine Minotaur and OSR modifications into one conversion process in fiscal year 2018.

Mission execution begins *here*.

For updates on the HC-144, visit the program's website at <http://www.dcms.uscg.mil/Our-Organization/Assistant-Commandant-for-Acquisitions-CG-9/Programs/Air-Programs/MRS-HC-144-C27J/HC-144-Program-Profile/>

U.S. COAST GUARD
April 2018
www.dcms.uscg.mil/acquisition

DELIVERY MAP

