



Acquisition Directorate



HC-144 MEDIUM RANGE SURVEILLANCE AIRCRAFT

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

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 capabilities and over 10 hours of flight time help the service 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 through the Ocean Sentry Refresh (OSR) project. Each aircraft will receive a new cockpit control display unit, used as the primary avionics computer for communication control, navigation and equipment monitoring. Upon completion, each aircraft is re-designated as an HC-144B. The service is also integrating the Minotaur mission system across its fixed-wing aircraft fleet (HC-130J, HC-144B and HC-27J). Minotaur integrates multiple sensor data streams and easily tracks detected targets to send information to other platforms and units. The Coast Guard has completed OSR modifications and integration of the Minotaur mission system on 14 HC-144s, and plans to finish upgrades on this airframe by the end of 2024.

HC-144 Locations

- HC-144B
- HC-144A/B



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
- Airborne Automatic Identification System
- Secure and nonsecure voice and data using satellite communications
- Automatic Dependent Surveillance – Broadcast

For updates on the HC-144, visit the program’s website at www.dcms.uscg.mil/acquisition