

C-27J MEDIUM RANGE SURVEILLANCE AIRCRAFT



Acquisition
Directorate

CHARACTERISTICS

Length:	74 feet 6 inches
Wingspan:	94 feet 2 inches
Height:	31 feet 8 inches
Maximum Weight:	70,000 pounds
Cruise Speed:	290 knots true airspeed
Range:	2,675 nautical miles
Endurance:	12 hours



C-27J Spartan



FEATURES

- Standardized Minotaur mission system across all Coast Guard fixed-wing aircraft
- Electro-optical/infrared sensors
- Military communications
- Multimode radar
- Large search windows
- Night vision goggle capabilities

PROGRAM DESCRIPTION

The C-27J Spartan is being integrated into the Coast Guard's medium range surveillance aircraft fleet, alongside the HC-144 Ocean Sentry. The aircraft will be instrumental in helping the Coast Guard fulfill its maritime patrol, drug and migrant interdiction, disaster response and search and rescue missions more effectively. The C-27J will also mitigate the gap in maritime flight hours the service now faces.

The Coast Guard is missionizing 14 C-27Js **received from the Air Force** under the fiscal year 2014 National Defense Authorization Act. The C-27Js were delivered with weather radar and communications equipment; missionization will add Coast Guard-specific features such as electro-optical/infrared (EO/IR) sensors and multimode radar to enhance and expand the aircraft's capabilities to detect, classify and identify maritime targets. The C-27J missionization package is based on the Minotaur mission system architecture that the Coast Guard is implementing across its fixed-wing fleet. The Coast Guard is working with

Naval Air Systems Command to missionize the first four aircraft; the first Spartan entered the mission system integration process at Naval Air Station Patuxent River, Maryland, in September 2017. It is scheduled for completion by mid-2021.

The HC-27J Asset Project Office (APO) in Elizabeth City, North Carolina, has transitioned from regeneration efforts to missionization support and finalizing engineering, logistics and supply requirements.

Coast Guard Air Station Sacramento, California, is the first operational unit using C-27Js and began operating with its full complement of aircraft after the delivery of its sixth Spartan May 1, 2017. An interim EO/IR capability was developed for use until missionization is complete. Four aircraft are based at the APO, two are undergoing programmed depot maintenance at the Aviation Logistics Center in Elizabeth City and two are undergoing missionization.

Mission execution begins *here*.

DELIVERY MAP



For updates on the C-27J, 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/C-27J-Program-Profile/>

U.S. COAST GUARD
December 2020
www.dcms.uscg.mil/acquisition