



Acquisition Directorate

HC-130H/J LONG RANGE SURVEILLANCE AIRCRAFT

Mission execution begins here.

PROJECT DESCRIPTION:

The Coast Guard's HC-130H/J Long Range Surveillance (LRS) aircraft carry out traditional missions including search and rescue, cargo and personnel transport, and law enforcement. The LRS modernization and recapitalization project provides the Coast Guard with improved capabilities that will enable aircrews to perform these missions more efficiently. Upon completion, the Coast Guard will have a fleet of new, fully missionized HC-130J Super Hercules aircraft and upgraded HC-130H Hercules aircraft. The HC-130J aircraft feature state-of-the-art radar, sensor and communications systems that are interoperable with other Coast Guard air and surface assets, as well as those of other federal and local agencies. The HC-130H aircraft will be equipped with upgraded radar and avionics, replacing older systems that are more difficult to sustain. The upgraded HC-130H fleet will also receive structural enhancements to extend their service lives.



FEATURES:

- The LRS C-130 aircraft missionization project includes:
 - Advanced sensors for intelligence collection and sharing
 - An electronics suite of command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR) equipment common to the LRS and the medium range HC-144A aircraft
- Important capabilities of the missionized C-130s include:
 - Real-time tracking
 - Common operating picture
 - Maritime domain awareness through integration with Rescue 21

CHARACTERISTICS:

Number Planned: Eight HC-130J, 14 HC-130H

Cruise Speed: 339 knots (J), 325 knots (H)

Range: 5,500 nautical miles (J), 4,100 nautical miles (H)

Crew: Two officers and five enlisted

When the modernization and recapitalization project is complete, the Long Range Surveillance fleet will include a total of eight new, fully missionized HC-130Js and 16 HC-130Hs with upgraded radar and avionics.