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AN/DVS-1 Coastal Battlefield Reconnaissance and Analysis - (COBRA)

Last updated: 28 Dec 2018

Description

The mission of the AN/DVS-1 Coastal Battlefield Reconnaissance and Analysis (COBRA) system is to conduct unmanned aerial tactical reconnaissance in the littoral battlespace for detection and localization of minefields and obstacles in the surf zone and beach zone prior to an amphibious assault. The COBRA airborne payload will be carried on the MQ-8 Fire Scout unmanned air system. This allows operators and other personnel to remain at a safe distance from the mine and obstacle belts and enemy direct and indirect fire. COBRA will be embarked in the Littoral Combat Ship as part of the Mine Countermeasures Mission Package or on other aviation-capable platforms, or may be shore-based as required to support fleet operations.

Background

COBRA began as a Marine Corps advanced technology program in the 1990s and transitioned to an acquisition program. In 2004, the COBRA program was transferred to the Navy as the detection capability for the Assault Breaching Systems. Milestone B for the initial increment of COBRA (Block I) was awarded in 2005. In 2009, COBRA Block I met all criteria to proceed into the Production and Development Phase.

The COBRA program uses incremental development to meet the overall assault mine and obstacle reconnaissance requirements. Three initial increments (blocks) of development are planned with each introducing new or enhanced capabilities. COBRA Blocks II and III are in Concept Refinement and Technology Development.

The COBRA Block I system is comprised of two airborne payloads, the post mission analysis station and the Tactical Control System segment for the MQ-8B Fire Scout mission control system. The mission control system, utilizing the Tactical Control System software, is used to plan the flight tracks required for the COBRA mission, monitor the mission and reprogram the flight path, if necessary.

General Characteristics, AN/DVS-1 Coastal Battlefield Reconnaissance and Analysis
Primary Function: Airborne mine detection tactical system.
Contractor: Arete Associates
Date Deployed: Initial operational capability achieved July, 31 2017
Propulsion: Aret

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