

Disrupting enemy command,
control, and communications

Compass Call

baesystems.com/compasscall



BAE SYSTEMS

Proven electronic attack capability with enhanced precision, performance, and reliability

System overview

Compass Call is an airborne tactical electromagnetic attack weapon system that denies, degrades, and disrupts adversary command, control, communications, radars, and navigation systems to restrict enemy electromagnetic spectrum based battlespace coordination. The weapon system neutralizes enemy air defenses by preventing the transmission of essential information between sensors, weapon systems, and control networks. Since 1981, Compass Call has provided electromagnetic attack capability on the EC-130H airframe utilizing the Compass Call operating mission system. Today, the mission system has been redesigned and is in transition to the G550 platform. Designated as the EC-37B Compass Call, the weapon system is optimized to counter complex communication systems and rapidly adapt to future technologies. BAE Systems serves as the mission system engineering, integration, and testing lead as well as the mission system prime contractor.



Key features and benefits

- Precise, high-powered, long-range, stand-off jamming denies, degrades, and disrupts adversarial use of electromagnetic spectrum based communications.
- Radar jamming degrades adversarial situational awareness.
- Modern digital signal processing ensures support of advanced missions.
- Modular architecture delivers flexibility to operate in both conventional and irregular warfare environments.
- Redesigned mission system architecture, combined with the size, weight, and power of the EC-37B platform, enables the rapid addition of new capabilities to meet emerging requirements.

Future innovation

Future weapon systems must be networked, survivable, and able to rapidly insert new capabilities in order to combat advanced threats. The EC-37B is designed to meet these requirements with the ability to expand current mission system parameters and counter emerging command, control, and communication technologies. Compass Call is the premier airborne tactical electromagnetic attack weapon system that can deny, degrade, and disrupt the enemy's use of the electromagnetic spectrum. The total system provides crews with the utmost confidence today and tomorrow.

For more information contact:

BAE Systems

Tom Huerter

T: 603 885 7517

E: thomas.huerter@baesystems.com

W: baesystems.com/compasscall

Cleared for open publication on 09/23

Approved for public release: unlimited distribution.

Not export controlled per ES-CEMA-071123-0177

Disclaimer and copyright

This document gives only a general description of the product(s) and service(s) and, except where expressly provided otherwise, shall not form any part of any contract. From time to time, changes may be made in the products or the conditions of supply.

BAE SYSTEMS is a registered trademark of BAE Systems plc.

©2023 BAE Systems. All rights reserved.

23-B83-01