Hammer SIGINT system
The Hammer system is an open architecture airborne signals intelligence (SIGINT) payload that detects, locates, and identifies emitters to provide full-spectrum awareness and actionable intelligence to operational users. It can be carried under the aircraft wing or internally, via a rack-mounted configuration. This full-system solution includes a processor, antennas, ground station, aircraft A-Kit interface, associated support equipment, and engineering services. The Hammer system delivers tomorrow’s capability, today.

Delivering full-spectrum awareness and actionable intelligence

Specifications

- 3U OpenVPX standards based processing
- SWAP: <1200 Watts, <300 lbs
- Wideband detection, identification, copy and Pre-D data collection
- Conventional and modern signal exploitation
- Single ship geolocation
- 360-degree field of view
- Unclassified at power-off
- Conduction cooled for high-reliability in deployed environments
- Easy access maintenance port for unclassified flight-line operations
- Cyber secure via risk management framework
- Ground station terminal units, including real-time PED controllers and post-processing workstations

Key features and benefits

- System versatility enables the support of full-spectrum operational scenarios, including electronic order of battle generation and precision geolocation
- Mature technology leveraged from multiple programs reduces development costs, risk, and time-to-field
- Flexible hardware enables installation under the wing (pod), or internally (rack-mounted chassis)
- Self-contained, integrated packaging provides space for additional payloads and increased time-on-station
- Software-driven operation with in-flight reconfigurability enables operators to adapt in real time as missions evolve
- Options for Line-Of-Sight (LOS) and Beyond-Line-Of-Sight (BLOS) networks permit operation at home and in austere deployed environments
- Modular, open architecture uses commercial hardware for increased reliability
- Flexible and intuitive software design integrates seamlessly into existing command and control infrastructures and workstations
- Software application framework allows for rapid adaptation to new threats and missions

For more information contact:

BAE Systems
Bruce Carter
T: 603 508 9052
E: bruce.w.carter@baesystems.com
W: www.baesystems.com
Approved for public release; unlimited distribution 11/18

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. ©2018 BAE Systems. All rights reserved. CS-18-E79-Hammer Not export controlled per ES-C4ISR-091918-0128