

DEWS is a high-performance, low-cost, low-risk solution with growth capability for the future

ALQ-239 Digital Electronic Warfare System (DEWS)

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BAE SYSTEMS

The Digital Electronic Warfare System (DEWS) protects new and legacy aircraft by providing radar warning, situational awareness, offensive targeting support, and self-protection.

System capabilities include all-aspect, broadband radar warning; emitter location; multispectral RF/IR countermeasures; and response management.

These capabilities are accomplished through a digital radar warning receiver, digital radio frequency memory jamming, and an integrated countermeasures dispenser to provide fifth-generation EW capability.

Features

- Leverages digital electronic warfare technology from fifth-generation fighter aircraft
- Modular, scalable, open-system architecture
- Enables simultaneous jamming without interfering with radar and radar warning receiver
- Interoperable with active electronically scanned array radar
- Throughput and memory reserve for capability growth
- Fault isolation down to a Line Replaceable Module (LRM) supporting two-level maintenance

Benefits

- Integrates radar warning and countermeasures into one system
- Faster countermeasures response
- Accurate threat geolocation
- Increased situational awareness
- Improved reliability, maintainability, and operational availability
- Reduced logistics requirements with 60 percent fewer LRUs

DEWS has been designed for the next generation F-15 fighter jet

BAE Systems has an extensive history of providing advanced electronic warfare capabilities to U.S. Air Force penetrator aircraft.



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