



MODULAR DETACHMENT KIT (MDK)

Modular Detachment Kit (MDK) is a multi-domain integration agent for tactical C2, providing holistic integration of disparate C2 data systems and bridging the gap between 20th and 21st century technology.

Warfighters lack a rapidly deployable, survivable, and scalable command and control system at the edge, which limits freedom of maneuver. In addition, systems often experience difficulties with inter- and intra-service connectivity.

Leveraging modular, scalable, decentralized C2 and sensor nodes, MDK builds, fuses, and distributes a common operating picture across the joint all-domain spectrum and establishes remote voice and data communications to control military operations from any location. MDK has the ability to ingest almost any sensor on the battlefield, pulling in a broader range of data. It then transfers and merges that data and provides a toolset to act on it.



MDK enables warfighters to manage the operational environment and local assets, as well as collaborate with distributed C2 nodes — all while integrating the latest in all-domain training capabilities.

FEATURES:

- + **TACTICAL- TO THEATER-LEVEL VISUALIZATION:** Establishes a shared, clear, understanding of the battlespace, fusing sensor and datalink information from multiple domains
- + **MODULAR, TAILORED MOBILE CAPABILITIES:** Enables warfighters to selectively employ only required capabilities, decreasing transportation and manpower burden and enhancing survivability
- + **EXPANDABLE, OPEN ARCHITECTURE:** Integrates with virtually any sensor and communications/C2 system and is rapidly adaptable to evolving requirements
- + **MACHINE-TO-MACHINE DATA/SENSOR INTEGRATION:** Enables a broader, more accurate vision of the battlefield, increasing effective decision-making while reducing risk of human error
- + **MINIATURIZATION/VIRTUALIZATION:** Provides a solution that is agile, scalable, quickly deployable, and survivable, significantly reducing footprint, risk, and cost
- + **COALITION AND JOINT INTEROPERABILITY:** Supports an expanded range of data and communications standards, offering effective joint and coalition interoperability
- + **ROBUST DATA/VOICE PROCESSING:** Provides a foundation for AI/ML, edge and cloud computing, and simulation, enabling efficient resource optimization

Contact Information

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For additional resources, go to

BoozAllen.com/MDK



MODULES:

- + **OPERATIONS MODULE (MDK-O):** A multi-mission capable datalink, sensor, and radio fusion system which enables agile, dispersed, and local Battle Management Command and Control (BMC2) crews to control one or more local/regional battle management areas (BMA) or an entire theater of operations.
- + **RF TRANSMISSIONS RADIO MODULE (MDK-F):** Tailorable, self-sufficient six-radio packaged module containing integrated mission systems and maintenance support capabilities.
- + **DATALINK MODULE (MDK-D):** A compact module that provides datalink connectivity, locally or at remote sensor or communication sites.
- + **RADAR INTERFACE MODULE (MDK-R):** A small add-on which digitizes radar or other sensor data, relays interrogation requests, and provides local network and microwave connectivity for expedient, forward deployed setup.
- + **COMMUNICATIONS ADMIN MODULE (MDK-J):** A deployable, tailorable, self-sufficient monitoring system providing leadership, maintenance management, and real-time monitoring of medium-scale remote Battle Management Command and Control (BMC2) sensor and communications sites.

About Booz Allen

Booz Allen is the premier digital integrator for the Department of Defense, blending decades of mission experience with state-of-the-art AI/ML, next-generation data solutions, networking, cyber, and advanced software development to help DOD achieve information dominance. We bring our defense clients the best emerging technology to help them quickly and easily modernize, achieve interoperability, and win.

