

# Modular Detachment Kit

## A Booz Allen® Solution

The Booz Allen Modular Detachment Kit (MDK) is an advanced technology solution delivering assured command and control (C2), bridging the gap between 20<sup>th</sup> and 21<sup>st</sup>-century systems.

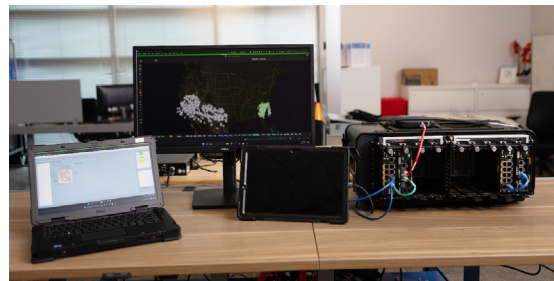
The MDK solution enhances battlespace awareness and rapid decision making by combining advanced sensor and datalink information into a clear, shared picture of the battlespace. Its modular, tailored mobile design ensures resiliency, survivability, and adaptability, while its proven performance in live-fire exercises confirms it as a mature system operational in the field.

Employing model-based systems engineering (MBSE) and a modular, scalable architecture, MDK enables rapid upgrades, mission-specific tailoring, and all-domain data fusion. By hosting AI/machine learning (ML) and edge computing, the solution accelerates the entire decision-making process and strengthens both human and machine driven operations.

### The MDK Family of Systems

The MDK family of systems enhances assured command and control across missions in all domains—land, air, maritime, space, and cyber. Each system is designed to extend operational reach, increase survivability, and accelerate decisions so warfighters can succeed in contested and dynamic environments.

- 1. Modular Detachment Kit Command:** A mobile, multiclassification command and control platform designed to extend operational reach and survivability. It supports missions requiring distributed command posts, secure communications, and resilient battle management, even in austere or high-threat conditions.
- 2. Modular Detachment Kit Edge:** A hybrid, cloud-enabled system that brings together different data sources, communication tools, and radios—empowering military personnel to efficiently manage operations, even while on the move or in distributed settings. MDK Edge supports missions at the tactical edge such as joint and coalition data sharing, line-of-sight and beyond line-of-sight communications, rapid sensor-to-shooter connectivity, and accelerated Combined Joint All-Domain Command and Control (CJADC2) delivery.
- 3. Modular Detachment Kit Fires:** A system-of-systems concept that connects joint and coalition tactical data to build and share a robust common operational picture. It scales coverage from a distributed command post to an entire theater of operations. MDK Fires supports missions such as joint fires coordination, rapid sensor fusion, resilient edge-to-cloud data exchange, and adaptive battle management for forces operating at the tactical edge.



### About Booz Allen

Booz Allen is the advanced technology company delivering outcomes with speed for America's most critical defense, civil, and national security priorities. We build technology solutions using AI, cyber, and other cutting-edge technologies to advance and protect the nation and its citizens. By focusing on outcomes, we enable our people, clients, and their missions to succeed, accelerating the nation to realize our purpose: Empower People to Change the World®.

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