



## Command, Control, Battle Management, and Communications

The Command, Control, Battle Management, and Communications (C2BMC) Program enables the "System" in the Ballistic Missile Defense System. As such, the C2BMC is the force multiplier that links, integrates, and globally synchronizes individual missile defense systems and operations to provide an optimized, layered missile defense against threats of all ranges and in all phases of flight. It allows the President, Secretary of Defense, and Combatant Commanders at strategic and tactical levels to systematically plan the fight, commonly see it unfold, and dynamically direct networked sensors and weapons systems.



### Ballistic Missile Defense Planner

- Emphasizes planning of the battle during pre-hostilities (deliberate planning), imminent hostilities (crisis action planning), and/or while engaged in hostile action (dynamic replanning).
- Provides the warfighter with the flexible capability to build, analyze, and coordinate global layered defense designs across all levels of command, from strategic to operational down to tactical weapon systems.

### Command and Control

- Emphasizes common, single integrated ballistic missile picture from the President down to the operational level.
- Provides the decision makers the capability to direct weapon release authority at all levels of command.
- Provides the health of the overall Ballistic Missile Defense System and its ability to engage on multiple ranges of threats.

### Battle Management

- Provides the sensor resource management function for globally deployed forward based X-Band radars.
- Coordinates surveillance, detection, tracking, classification, engagement, and kill assessment functions.
- Optimizes land-, sea-, and space-based sensors and pairs the best land- and sea-based weapon systems.

### Ballistic Missile Defense Network

- Integrates the individual sensor and weapon elements of the Ballistic Missile Defense System.
- Provides robust, high availability connectivity to quickly and unambiguously share information across the global Ballistic Missile Defense System.

### Development & Implementation Plan (includes software, hardware and network connectivity)

- Provide an operational C2BMC and on-site operations and sustainment support at U.S. Northern Command; Strategic Command; Pacific Command; Fort Greeley, AK; Japan; and the National Capital Region. Including:
  - basic deliberative/ crisis action planning
  - common situational awareness capability/displays at the Combatant Commands and National Military Command Center
  - initial sensor resource management of the AN/TPY-2 radar in Japan
  - host nation interface with Japan for forwarding of the AN/TPY-2 information
  - interfaces and redundant communication/data paths and connections to Ground Based Missile Defense, Aegis Ballistic Missile Defense, and the AN/TPY-2 radar
- Continue to expand geographically and incorporate additional sensors and weapons with the ability to plan and adjust the fight real-time to attain the highest probability of kill against threats