C2BMC

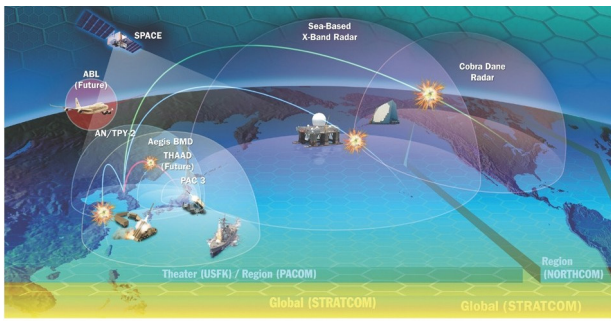
COMMAND, CONTROL, BATTLE MANAGEMENT, & COMMUNICATIONS

THE CENTERPIECE OF THE BALLISTIC MISSILE DEFENSE SYSTEM

COMMAND, CONTROL, BATTLE MANAGEMENT & COMMUNICATIONS

Unifying Components of the BMDS for Global Missile Defense

Responding to ballistic missile threats presents an unprecedented challenge of speed, precision, and coordination among numerous weapons systems, sensors, and warfighters. Decision cycles are reduced to minutes, and in some cases seconds, during which air, ground, sea, and space sensor-interceptor-communications elements must be orchestrated into engagement scenarios that seamlessly detect, track, target, and engage incoming missiles. To counter these threats, the United States is fielding a Ballistic Missile Defense System (BMDS) capable of destroying a missile in all three phases of flight -boost, midcourse, and terminal.



The C2BMC element is the critical tool that links the various individual sensor-interceptor-communications elements into one coordinated system utilizing the best offensive/defensive attributes of each element, ensuring the highest BMDS capability for protection against all types of ballistic missile threats in all regions and in any phase of flight.

- **Planning** capability to optimally locate sensors and weapons systems to counter identified threats
- **Situational awareness** of the evolving battle and status of defensive assets at all leadership levels
- **Battle management** to optimally pair sensors and shooters for effective and efficient BMDS asset utilization and engagement
- **Sensor netting** to detect, identify, track, and discriminate threats
- **Global engagement management** to optimally pair the right sensors and weapons systems against multiple threats for the highest probability of hit-kill and to best manage the shot magazine
- **Global communications networks** to efficiently manage and distribute essential data

The C2BMC element provides the Commander's command, control, battle/sensor management, and communication tools to optimize the BMDS elements for a coordinated and lethal defense.

As the industry lead for the C2BMC National Team, Lockheed Martin continues to field an operational capability that links the numerous sensors, weapons, and command and control systems currently utilized in the individual U.S. missile defense programs or elements. This effort involves the integration of hardware and software elements that will tie together the entire global missile defense system, and enable it to function effectively and instantaneously. We are keenly aware of the importance of this responsibility, and are committed to helping our customers be successful in their defining moments.

C2BMC

- Missile detection and engagement management & control across strategic, tactical, and operational domains
- Networks and unifies BMD sensors, weapon systems and Warfighters worldwide
- Automated real-time, mutli-source information provides a single, near real-time C2 picture
- Allows Commanders to quickly assess missile threats and execute a coordinated, immediate response
- Supports advanced strategic planning and wargames
- Deployment began October 2004
- Supporting military echelons 24/7
- Additional capability fielded in periodic spirals

C2BMC PUTS THE "S" IN BMDS

FOR MORE INFORMATION, CONTACT:

Paul R. Pfahler
Business Development
256.217.6708
lockheedmartin.com

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PIRA MAN201707001