



SPACE AND MISSILE DEFENSE CENTER OF EXCELLENCE (SMDCOE)



Develops, integrates and transitions military concepts and capabilities that enhance doctrine, organization, training, materiel, leader development, personnel and facilities

The U.S. Army Space and Missile Defense Command's Space and Missile Defense Center of Excellence is the Army's force modernization proponent responsible for managing Army change to doctrine, organization, training, materiel, leadership and education, personnel, facilities and policy, or DOTMLPF-P, requirements for space, global ballistic missile defense, and high altitude capabilities within the Army and represents Army equities across the joint community. This includes executing U.S. Army Training and Doctrine Command-established practices to meet force management responsibilities to include performing concept development; capabilities determination; and capabilities integration relative to DOTMLPF-P for process change, integration, and/or transition for materiel development. The SMDCoE is uniquely organized and geographically well-positioned to meet future Army needs.

OPERATIONAL APPROACH

- Develops militarily significant prototypes, and rapidly distributes them to warfighting forces worldwide
- Designs and conducts experiments that validate new tactics, techniques and procedures
- Develops and manages computer models and simulations that help evaluate operational impact of innovations
- Provides studies, assessments and operational analyses that influence current and future warfighting methods and capabilities



SPACE AND MISSILE DEFENSE CENTER OF EXCELLENCE

The U.S. Army Space and Missile Defense Command's Space and Missile Defense Center of Excellence has the objectives of improving the business flow in the SMDC force development process; building operational architectures; validating science and technology; optimizing linkages between concepts and analysis and transitioning technologies in U.S. Strategic Command and U.S. Space Command mission areas; facilitating better technology transfer; and optimizing coordination with the U.S. Army Training and Doctrine Command Army Capabilities Integration Center.

It is also the SMDC lead for space and ground-based midcourse defense proponentcy. The organization is structured as follows:

OPERATIONS DIRECTORATE

The Operations Directorate supports all SMDCoE offices in the areas of current and strategic operations, future/strategic planning, resource management and synchronization of administrative support, and other activities as required.

ARMY SPACE PERSONNEL DEVELOPMENT OFFICE

The Army Space Personnel Development Office ensures the Army has trained, mission-ready space cadre and FA40 space operations officers to meet national security space needs.

CAPABILITY DEVELOPMENT INTEGRATION DIRECTORATE

Army Capability Managers for Strategic Missile Defense, or ACM-SMD, and Space and High Altitude, or ACM-SHA: Report to the commanding general of SMDC. The ACM-SMD and ACM-SHA serve as the Army's user representative and centralized manager and integrator for all DOTMLPF-P considerations for strategic missile defense and space and high altitude. ACM-SMD represents such Army applications of the Command and Control, Battle Management and Communications system and is the user representative for the following acquisition programs: Ground-based Midcourse Defense and AN/TPY- 2 Forward Based Mode Radar. ACM-SHA represents such Army applications as Distributed Common Ground System – Army, Space Operations System, and Joint Friendly Force Tracking development.

Concept Development: This is the foundation for the Army's execution of the Joint Capabilities Integration and Development System deliberate process. Concept development begins with the Army Concept Framework, which is based upon strategic guidance and informed by joint and Army concepts, white papers, and the Campaign of Learning. The SMDCoE assists in the development of Army functional concepts, which make up the Army Concept

Framework. The Army Concept Framework provides the conceptual foundation for the development of capabilities for the future force in the 2016 to 2028 timeframe. This family of concepts examines the projected operational environment and provides strategic guidance to develop the capabilities required in support of Army modernization. The SMDCoE also develops, assesses and refines concepts by participating in Army and joint experiments and wargames and executes experiments and wargames focusing on the SMDC assigned mission areas of space, high altitude and global ballistic missile defense.

Decision Support: Provides the computational and network resources, modeling and simulation, and operational analysis required to support major decisions concerning the acquisition of systems and the development of concept of operations that provide the best joint and Army space, missile defense, and high altitude capabilities to current and future Warfighters. Conducts Decision Support across SMDC, Joint Functional Component Command for Integrated Missile Defense, and at the Army/joint levels.

U.S. ARMY SPACE AND MISSILE DEFENSE SCHOOL AND DOCTRINE CENTER

The School and Doctrine Center executes the Army's institutional training and education for space and global ballistic missile defense mission areas and develops and coordinates the Army's doctrine for space and global ballistic missile defense operations.

Additionally, the school develops collective space and global ballistic missile defense training tasks, supports space and missile defense DOTMLPF-P initiatives, and instructs and integrates and instructs space education and training at each Army Centers of Excellence and proponent school as part of the Army Space Training Strategy.



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