

US Army Space & Missile Defense Command & Multi Domain Operations

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Framework





USASMDC

x + x

100th Missile

Defense

Brigade (GMD)

JFCC IMD

Technical

Center

SMD

Center of

Excellence

Overview

Mission

Develops and provides current and future global space, missile defense, and high altitude capabilities to the Army, Joint Force, and our Allies and partners, to enable multi-domain combat effects; enhance deterrence, assurance, and detection of strategic attacks; and protect the Nation.

Mission Areas

ASCC/Operational Support

Service Activities

Army Proponency

Priorities

- Protect our homeland
- Provide combat-ready forces and capabilities
- Plan and conduct synchronized global operations
- Prepare or adopt leap-ahead concepts and technologies
- Preserve and account for the Nation's critical resources
- Promote and foster a positive command climate

Other CG Roles & Responsibilities

- Commander, Joint Functional Component Command for Integrated Missile Defense (JFCC IMD)
- Senior Commander for U.S. Army Garrison Kwajalein Atoll and Fort Greely, AK.
- Army Air and Missile Defense Enterprise Integrator
- Personnel Developer, Functional Area 40 Space Operations Officers



Seal

Pending

U.S. Army

Satellite

Operations

Brigade

Senior Commander

1st Space

Brigade



A Global Command



Distribution A SMDC #8031

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Global Context





Command

21st Century Security "Landscape"



"Interdependent economies, Porous Borders, Decline of the Nation-State"

Strategic

"Information Revolution...the Death of Time and Distance"

Greater Disparity Creates Tremendous "Friction"

Rise in Power and Influence of Non-State Actors

> Increased Willingness to Use Violence

Complex Challenges Require all Elements of Power to Address

Operational Context

Irregular

Catastrophic

Diverse Actors



Hybrid Threats

Operations "Among the People"



Unpredictable

Global Media



Radical Extremism Attacks Fragile Institutions

Joint, Interagency, Multinational and Indigenous Traditional Partners Disr

Disruptive

Persistent Conflict: Protracted confrontation among state, non-state, and individual actors that use violence to achieve their political and ideological ends.





Trends



U.S. Army Space The Accelerating Calculus of Warfare What's Unique about

and Missile

Defense Command



U.S.ARMY



Where We're Going





Multi-Domain Operations

Maneuver to positions of relative advantage and project power across all domains to ensure freedom of action.

Integrate joint, interorganizational, and multinational capabilities to <u>create windows of</u> <u>domain superiority</u> and preserve Joint Force freedom of maneuver.

Exploit temporary domain superiority by synchronizing cross-domain fire and maneuver to achieve physical, temporal, positional, and psychological advantages.



U.S.ARM



Space: The Current Situation

Facts:

- The DOD is increasingly dependent upon space-based capabilities to accomplish missions.
- The Army is the biggest DOD user of space.
- The threat has clearly recognized DOD reliance on space and is developing Anti-Satellite (ASAT) capabilities.
- DOD relies heavily on unprotected commercial satellites.
- DOD relies heavily on space-based PNT data or GPS.
- DOD has minimal mitigation plans to address losing space-based capabilities.

Both Demand and Risk are Increasing in Space Support to the Warfighter





IAMD: The Current Situation

Facts:

- COCOMs are asking for larger allocation of IAMD resources.
- SMDC has been named the Army's IAMD Enterprise Integrator.
- Emerging threat technologies stress our ability to protect the force.
- A2/AD demands greater Joint integration of sensors/radars.
- Current AMD systems are sophisticated/expensive/kinetic.
- Transforming the Force from "system centric" to "net-centric."

Focus on Defending Critical Assets and Protecting the Force





What We Need to Get There





SMDC Mission Challenges

- Emerging Hypersonic Capabilities
- Growing Threat Cyberspace Enablers
- Missile Proliferation
- Probability of Future Conflicts Starting at One End of the Conflict Spectrum, and Moving to Another Level
- Growing Mission Requirements Force Protection/Space Enablers
- Uninterrupted Access to Space Capabilities





SMDC Industry Needs

- Directed Energy Make it Tactical
- Protection of Forces and Defense of Critical Assets Make it more Efficient
- Command and Control of Space Enablers and Air/Missile Defense – Incorporate Artificial Intelligence and Human-Machine Interface
- Cybersecurity Provide Mission Assurance/Cyber Resiliency of our Critical Space and IAMD Systems
- Reconstitution of Space Develop Timely and Assured Capabilities Based on the Warfighter





Closing Thoughts

Future Multi-Domain Warfighters will:

- Fight in Diverse Areas of Operations
- Fight Diverse Adversaries
- Start Campaigns on one end of the Spectrum of Conflict Move to another part of the Spectrum of Conflict



Multi-Domain Operations Must Leverage Innovative Solutions on the Move

