U.S. Army Space and Missile Defense Command

UPDATE

Huntsville Aerospace Marketing Association (HAMA) 12 May 2023

SES Richard P. De Fatta
Deputy to the Commander
USASMDC

U.S. ARMY

U.S. Army Space and Missile Defense Command

Command Video

Youtube:
https://www.youtube.com/watch?v=nJLqpux2bXE

DVIDS:
https://www.dvidshub.net/video/882010/smdc-command-video-2023

Facebook:
https://www.facebook.com/ArmySMDC/videos/938145580724894/

U.S. ARMY

U.S. Army Space and Missile Defense Command

Command Overview

U.S. ARMY

Overview

U.S. Army Space and Missile Defense Command

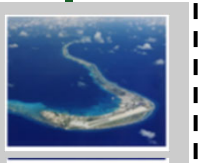
LTG Daniel Karbler
Commanding General, USASMDC

CSM John W. Foley
Command Sergeant Major, USASMDC

Mr. Richard De Fatta
Deputy to the Commander, USASMDC

USASMDC 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.

USASMDC



Senior Commander

JFCC IMD

1st Space Brigade

100th Missile Defense Brigade (GMD)

SMD Center of Excellence

Technical Center

Mission Areas

- ASCC/Operational Support
- Service Activities
- Army Proponency

Priorities

1. Accomplish our mission as a People First team of empowered, innovative, ready and resilient professionals
2. Provide trained and ready forces for space, missile defense, and high altitude missions
3. Conduct integrated planning and synchronized operations in the execution of our space and missile defense missions
4. Prepare for future conflict

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

U.S. Army Space and Missile Defense Command

People First

LTG Daniel Karbler
Commanding General, USASMDC

CSM John W. Foley
Command Sergeant Major, USASMDC

Mr. Richard De Fatta
Deputy to the Commander USASMDC

BG Isaac J. Peltier
Deputy Commanding General for Operations, USASMDC

COL Todd Book
Chief of Staff, USASMDC

Mr. Timothy F. Bishop
Director, Space and Missile Defense Center of Excellence, USASMDC

Mr. Michael Krause
Acting Director, Technical Center, USASMDC

COL Joe Paladino
Commander, 100th Missile Defense Brigade (Ground-based Midcourse Defense)

COL Donald K. Brooks
Commander, 1st Space Brigade

COL Mark A. Cobos
Joint Functional Component Command for Integrated Missile Defense (JFCC IMD)

U.S. Army Space and Missile Defense Command

People First
Summer Transitions

DCG-O	CCWO	1SB	JFCC IMD	USAG - KWAJ
				
BG Isaac J. Peltier Deputy Commanding General for Operations	**CW5 Anson Seebeck** Command Chief Warrant Officer	**COL Donald K. Brooks** Commander, 1st Space Brigade	**COL Mark A. Cobos** Joint Functional Component Command for Integrated Missile Defense	**COL Thomas S. Pugsley** U.S. Army Garrison-Kwajalein Atoll
Photo Not Available	Photo Not Available		Photo Not Available	
COL John L. Dawber	**CW5 Wesley M. Dohogn**	**COL Mark A. Cobos**	**COL Timothy R. Shaffer**	**COL Drew R. Morgan**

U.S. Army Space and Missile Defense Command

Why Army Space and High Altitude

Army space is *land-centric*, providing scalable and mobile, expeditionary, and forward-postured forces in contested and austere environments that are capable of keeping pace with maneuver forces in support of MDO. Army space integrates on-orbit and high altitude capabilities to provide effects through the air and space domains, and interdicts adversary space and high altitude capabilities in support of land and joint operations.

Pillars

- Integration of joint space capabilities to meet Army needs; e.g., APNT, communications, environmental monitoring, ISR, targeting
- Interdiction of adversary space capabilities; e.g., counter-SATCOM, counter-surveillance and reconnaissance, and NAVWAR

Examples of Enduring and Conceptual Army Space Capabilities

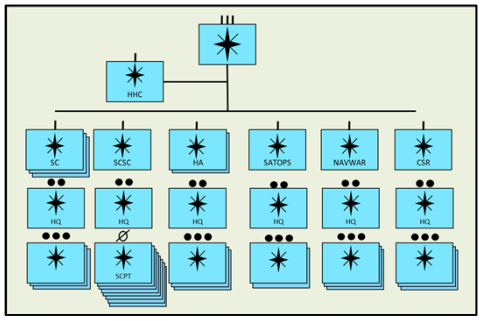
Ground mobile surveillance and assessment of space systems to negate adversary use of SATCOM

Future capabilities must include expeditionary, maneuverable platforms to remain relevant on the modern battlefield

Ground-based directed energy platforms to conduct counter-surveillance and reconnaissance

High altitude balloon systems and long endurance, semi-autonomous, flight controlled platforms provide redundant space-like capabilities and increase resiliency of the overall space architecture

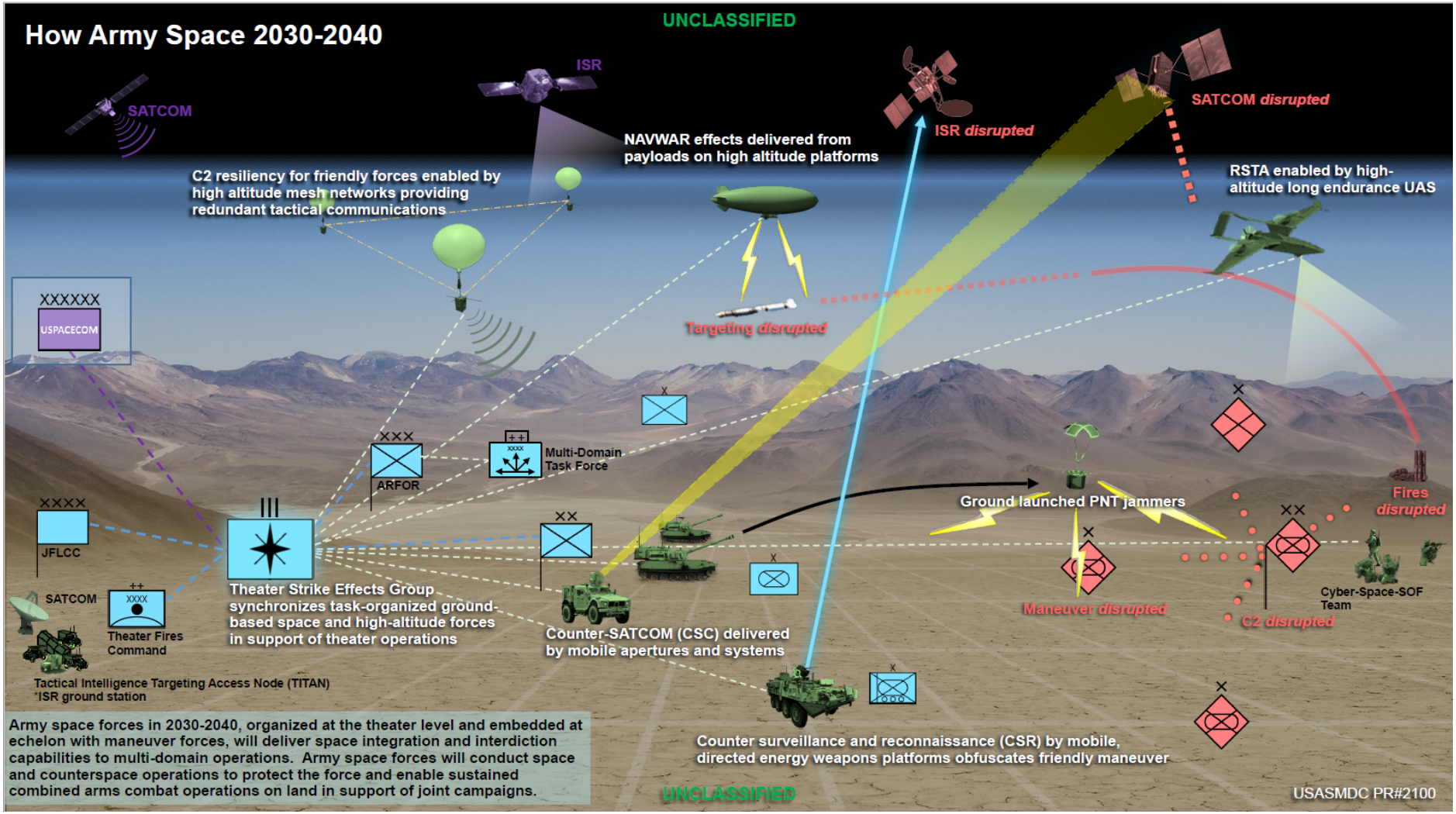
Munition-deployed PNT jammers (artillery or high altitude balloon deployed) disrupt adversary C2 and A2AD



Theater Strike Effects Group (TSEG): Theater Army force that integrates joint space capabilities and interdicts adversary space capabilities to set and shape the theater

Army Space amplifies the lethality and deterrent effect of our ground combat forces.

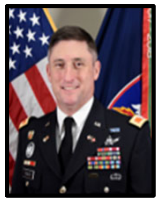
How Army Space 2030-2040



U.S. Army Space and Missile Defense Command

SMD Center of Excellence

Mr. Timothy Bishop
Director, SMD
Center of Excellence



COL David J. Mulack
ACM-SHA

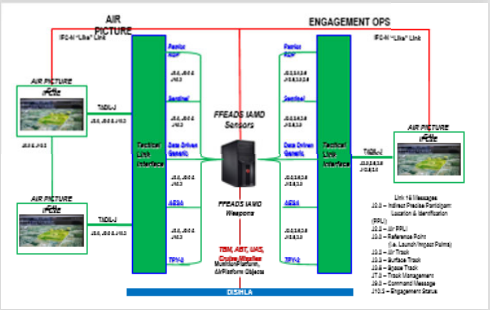
COL Thomas M. Noble
ACM-SMD

Capability Development | Capability Integration | Training & Doctrine | Personnel Development

Simulation Center

High Altitude Balloon (HAB)

Space Wargame Analysis Tool (SWAT)



Future Force Experimentation Air Defense Systems (FFEADS)

Extended Air Defense Simulation (EADSIM)

Cyber Hardening Integration Lab (CHIL)

U.S. Army Space and Missile Defense Command

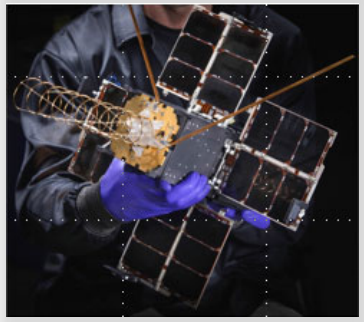
Technical Center

Mr. Michael Krause
Acting Director, TC

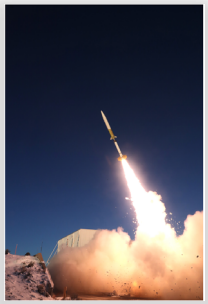
Mr. Corry Cox
Director, Research & Technology, TC

COL Juan Santiago
Director,
Reagan Test Site

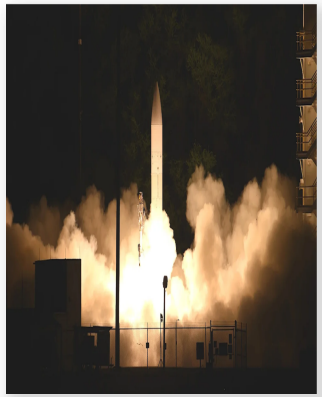
Zombie Target



GS-J Flight 01



Black Dagger IAMD



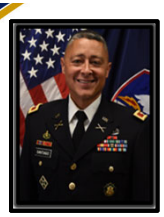
Hypersonic Launch

Space and Directed Energy Technology Complex

- **Space**: Environmental Testing, Payload Demonstration, and Assured Position, Navigation, and Timing Labs
- **Directed Energy**: System Integration, Atmospheric Characterization, Beam Control, Laser Lethality, and High Power Microwave Effects Labs
- **Hypersonics**: Aerophysics, Hypersonics System Integration, and Aerothermal Integration Labs

U.S. Army Space and Missile Defense Command's Richard P. De Fatta, Deputy to the Commander; Nicole Olbricht, Technical Center Systems Integration Division chief; Lt. Gen. Daniel L. Karbler, Commanding General; and Michael Krause, Technical Center Acting Director. (U.S. Army photo by Ronald Bailey)

U.S. Army Space and Missile Defense Command



COL Juan Santiago
Director, Reagan Test Site

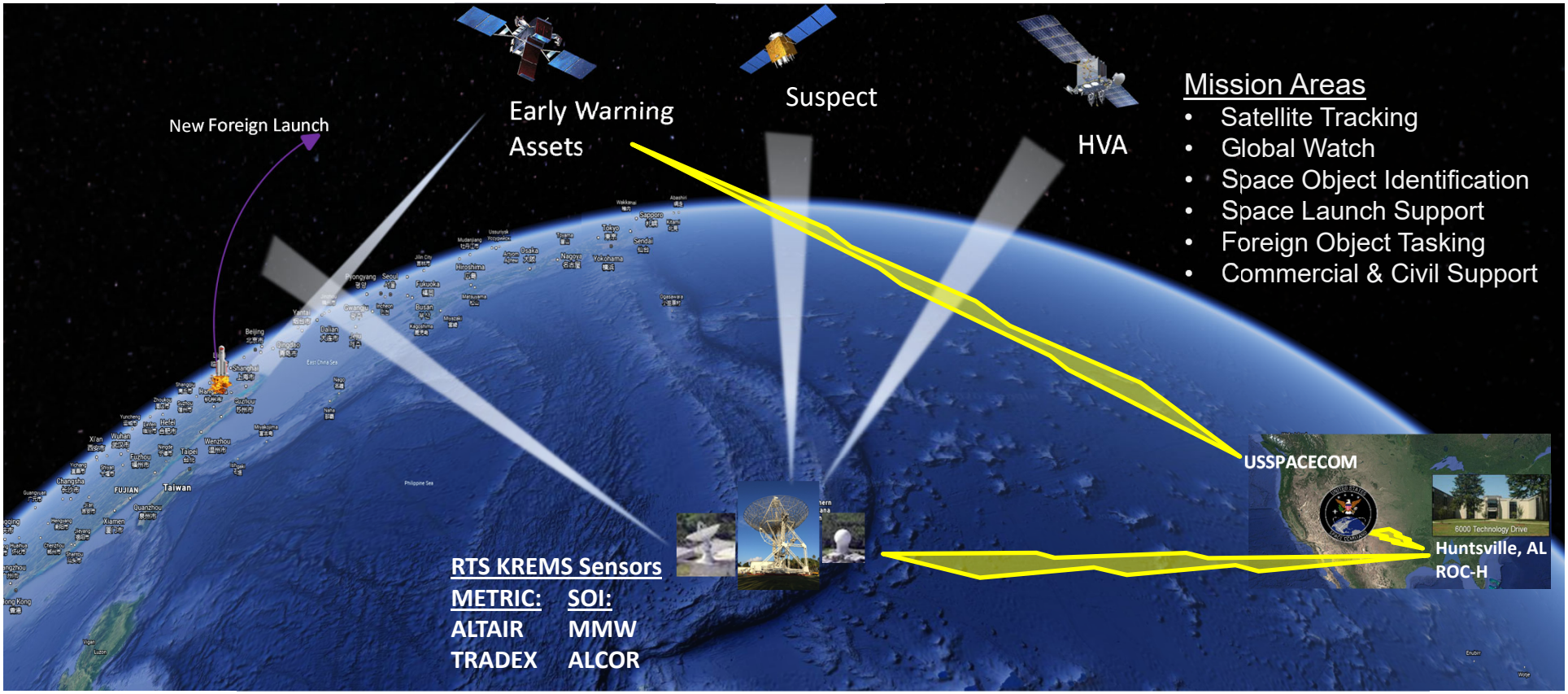
Reagan Test Site Developmental & Operational Testing

ICBM, Missile Defense, THAAD, PATRIOT, AEGIS, Offensive/Defensive Hypersonics

Supported 6 Developmental and Operational Tests in FY22

U.S. Army Space and Missile Defense Command

RTS Space Operations



RTS, Space Operations Division (SOPS) conducts space surveillance, space object identification (SOI), and new foreign space launch (NFL) tracking in support of USSPACECOM in order to enable space domain awareness.

D3I Collaboration

End-to-end test planning, design, development, integration and test execution, as well as flexible launch platforms and unique low-cost, threat-representative target solutions

TACRAM I

Tactical Multi-Band Antenna Trailer Subsystem (TMATS)

Ground Based Radar - Kwajalein (GBR-K) Capability Phased Array – X-Band

Directed energy, High Powered Microwave, laser support

Missile Defense

High Altitude Balloon

FT Greely, AK

RTS Data Analysis Center (RDAC) Improvements and Modernization Projects (mature technologies)


The Sun Never Sets on USASMDC
Questions?
The American Soldier - Our first priority!