SMDC/ ARSTRAT:

Contributing to Army Space and Missile Defense

Dr. Steven Messervy
Deputy to the Commander for Research, Development and Acquisition
SMDC/ARSTRAT

- Soldiers deployed around the world
- 24/7 signal support to combatant commanders
- Friendly Force Tracking
- Commercial Exploitation Teams
- Space Support Teams Supporting OIF/OEF

Secure the High Ground!
SMDC/ARSTRAT - A Global Command
Secure the High Ground!
Vision

➢ Provide space and missile defense capabilities for the Army and plan for and integrate those capabilities in support of the Warfighter

Mission

➢ Conduct space and missile defense operations
➢ Provide planning, integration, control and coordination of Army forces and capabilities in support of the Warfighter
➢ Proponent for space, high altitude and ground-based midcourse defense
➢ Army operational integrator for global missile defense
➢ Conduct mission-related research and development in support of Army Title X responsibilities

Secure the High Ground!
Commanding General

Deputy Commanding General - Operations
- Operational Forces
  - 1st Space Brigade
  - 100th Missile Defense Brigade (GMD)
  - Ballistic Missile Defense Systems Manager
  - Astronaut Detachment
  - Space Personnel Proponency Office

Director Future Warfare Center
- Innovative *DOTMLPF Integration
  - Battle Lab
  - Directorate of Combat Development
  - Division Support Directorate

Deputy to the Commander for Research, Development and Acquisition
- Research, Development and Acquisition Efforts
  - Technical Center
  - Technical Interoperability & Matrix Center
  - Contracting and Acquisition

*Doctrine, Organization, Training, Materiel, Leadership, Personnel and Facilities

Secure the High Ground!
Army Space Priorities

- Enhanced SATCOM
- Theater Missile Warning
- Persistent Surveillance
- Position, velocity, navigation, timing services
- Weather, terrain and environmental monitoring

Secure the High Ground!
What is Space doing for our Warfighters?

- Increased Communications
- Assured, Timely Missile Warning
- Enhanced Situational Awareness
- Better Weather Forecasting
- Higher Fidelity Targeting and BDA
- Expanded Ability to Cover Large Area with Fewer Forces

Secure the High Ground!
From Concept to Combat…

- Experimentation & Analysis
- Technology Development
- Operational Requirements
- Fielding & Operations

- Warfighter Needs
- Concept Development
- Science & Technology
- Test & Evaluation

Operational Brigades
Future Warfare Center
Tech Center
TIMC
Operational Brigades
SMDC/ARSTRAT Technology Thrust Areas

SENSORS
BMDS Next Generation Radar
All-Digital Radar (ADR)
Force Encampment Protection System (FEPS)

SPACE
Tactically Responsive Space
High Altitude Long Loiter
Space Battlefield Integration

INTERCEPTORS
Interceptors
Cruise Missile Interceptor

Directed Energy
High Energy Laser
High Power Microwave and Pulsed Power

Secure the High Ground!
Supporting the Current Fight

DoD Technologies
Army Technologies
MDA Technologies
Army & MDA SBIRS

Homeland Security/
Homeland Defense

Force Protection

Tactical Communications

Counter IEDs

Nuclear Monitoring

Technology Spin Outs Providing Solutions for Today’s Warfighter

Secure the High Ground!
SMDC….Looking to the Future

Nano-satellite

High Altitude

Operationally Responsive Space

Overwatch

Orthogonal Sensor Fusion System (Orthon-SFS)

Secure the High Ground!

Counter-Rocket, Artillery And Mortar
Commitment to Small Business

SMDC enjoys a strong relationship with small business

• 171 Small Business Contracts awarded from 2006 to present

• Value – $1,575,638,046