

# **State of IAMD Symposium**

## **SMDC/ARSTRAT Role In Support Of Army Integrated Air and Missile Defense**

**SMDC/ARSTRAT  
25 June 2015**

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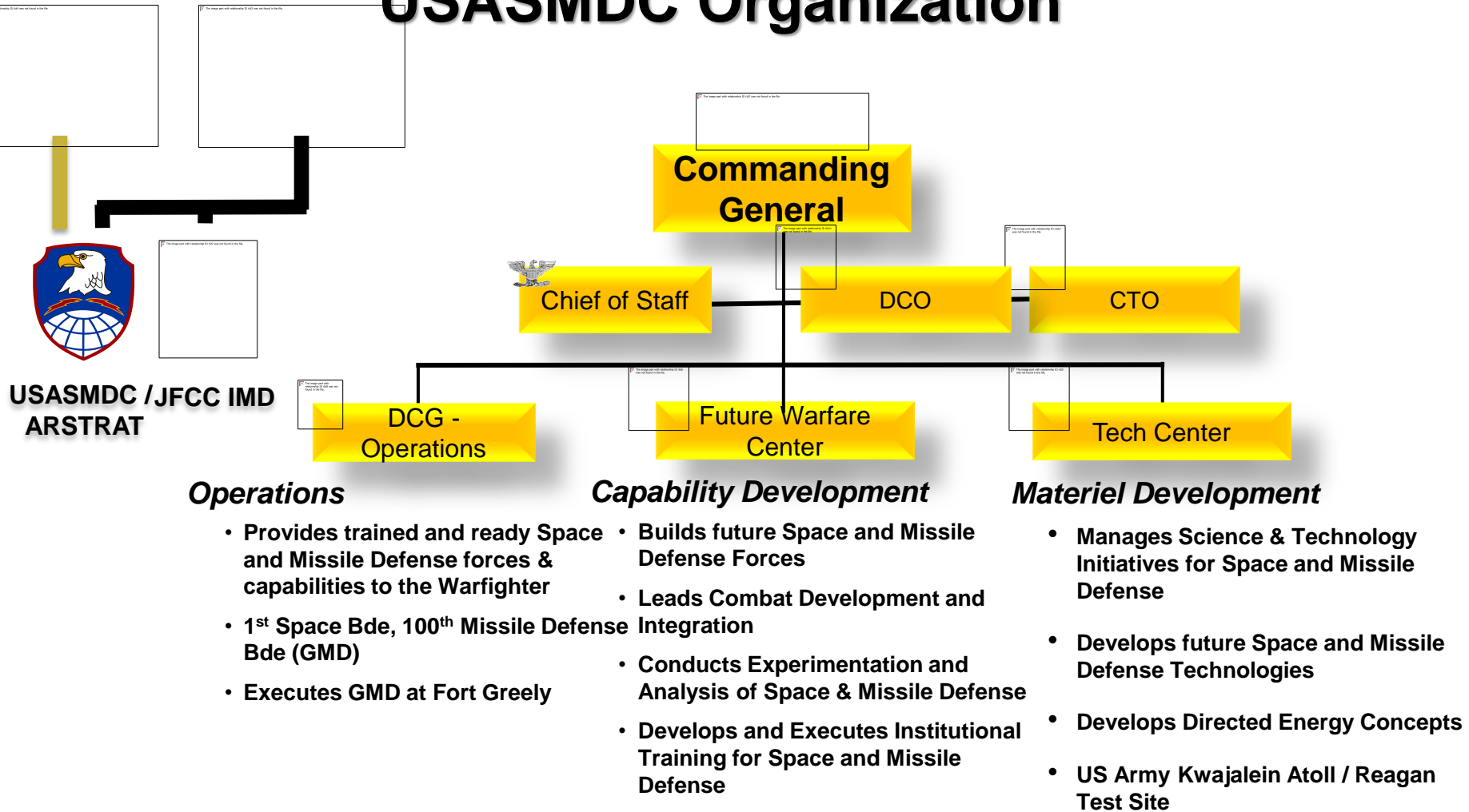
# **2015 Army AMD Vision Statement**

Provide the Army and Combatant Commanders with Integrated Air and Missile Defense that leverages joint capabilities to defend critical assets and protect the force against the full range of air and missile threats in support of Joint force operations.

# NEW SMDC/ARSTRAT RESPONSIBILITY

- 08 SEP 2014, CSA designated the CG, USASMDC/ARSTRAT as the Army AMD Enterprise Integrator
- No Additional Authorities Assigned
- As Army AMD Enterprise Integrator
  - Coordinating Revisions to the 2012 Air and Missile Defense Strategy
  - Charged with Developing Options for the Army to Consider in Response to AMD Issues

# USASMDC Organization



**Integrator and Synchronizer of Army Air and Missile Defense Enterprise**

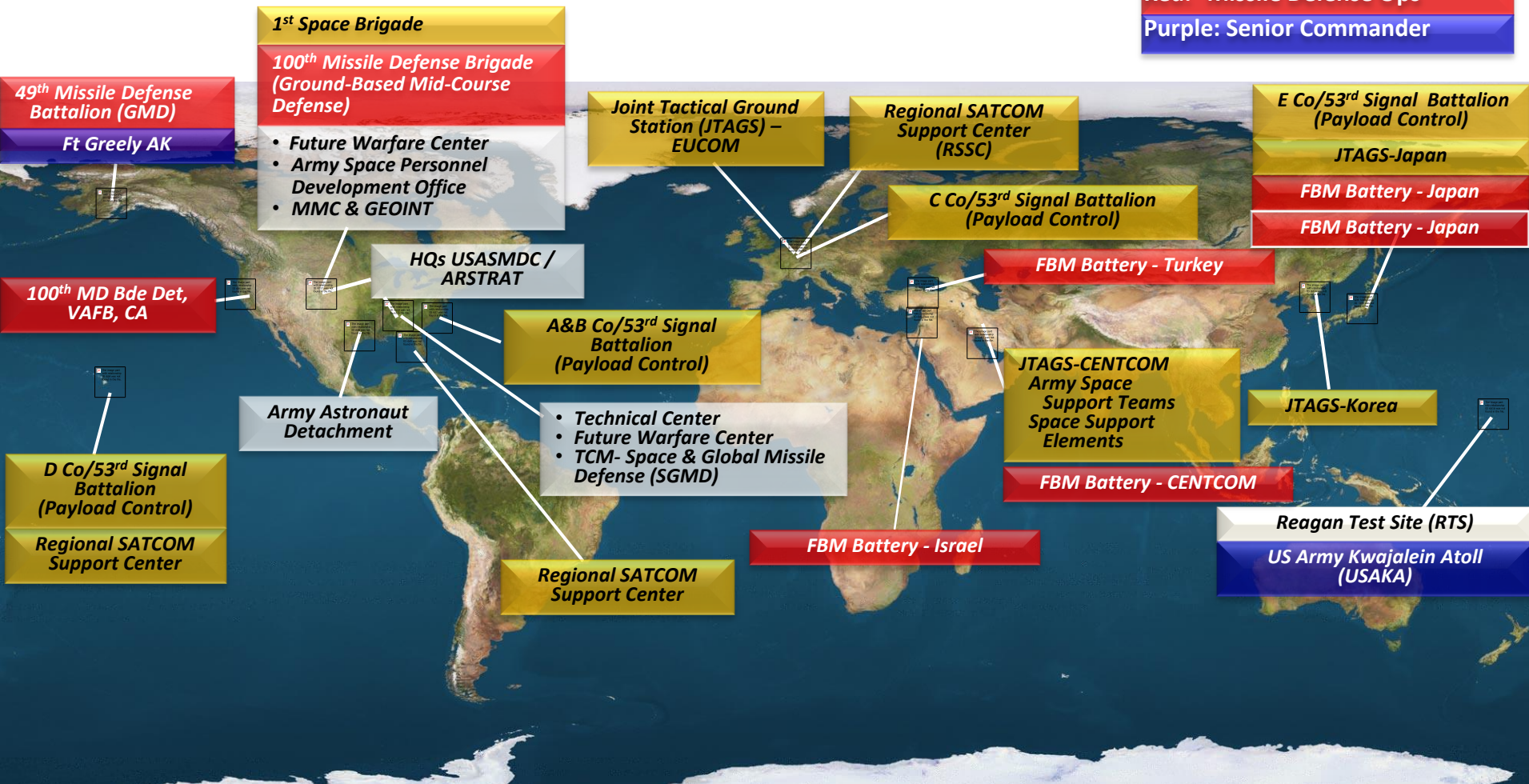
# A Global Command

White: HQs, FWC, Technical Center and Army Astronauts

Gold: Space Ops

Red: Missile Defense Ops

Purple: Senior Commander



**Uniquely Organized, Geographically Well-Positioned**

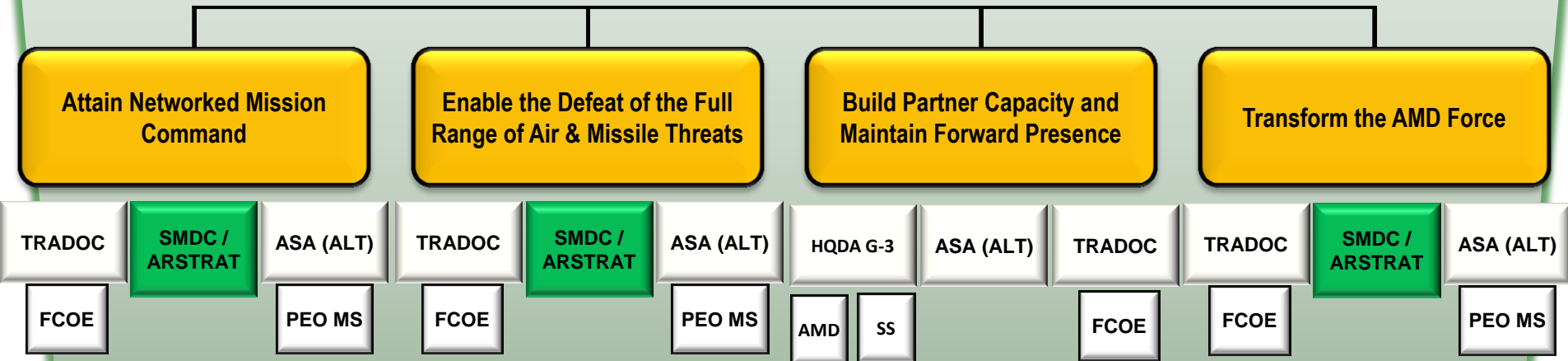
# **SMDC Video**

# Threat Trends

- Proliferation of TBMs
- Growing use of UAVs / CMs
- Successful Hypersonic Weapons
- Cyber Attack of Networks and Systems
- Advancement in ASAT

# ARMY AMD Primary Stakeholders

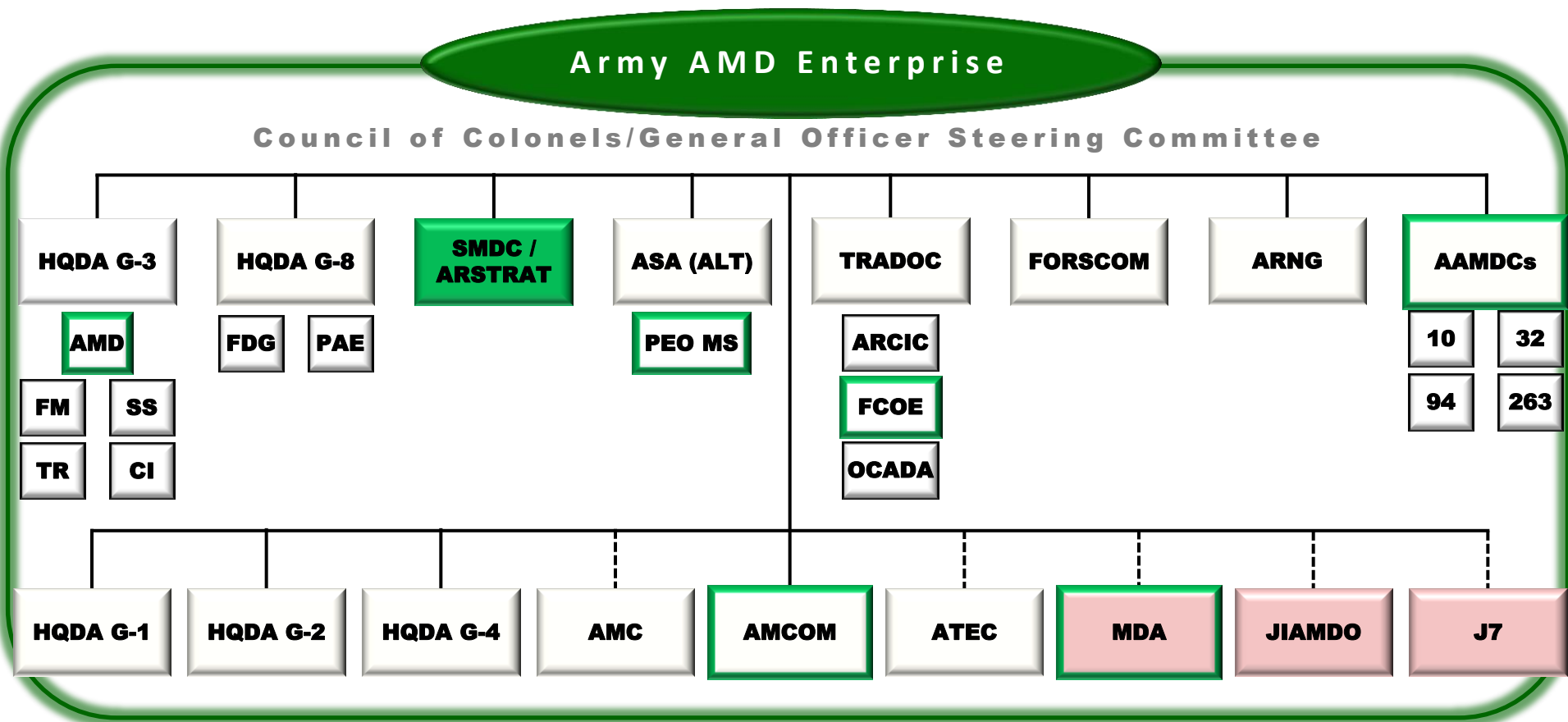
## Air and Missile Defense Strategy Lines of Effort



Multiple Roles Position SMDC as Enterprise Integrator



# SMDC ROLE in the ARMY AMD Enterprise



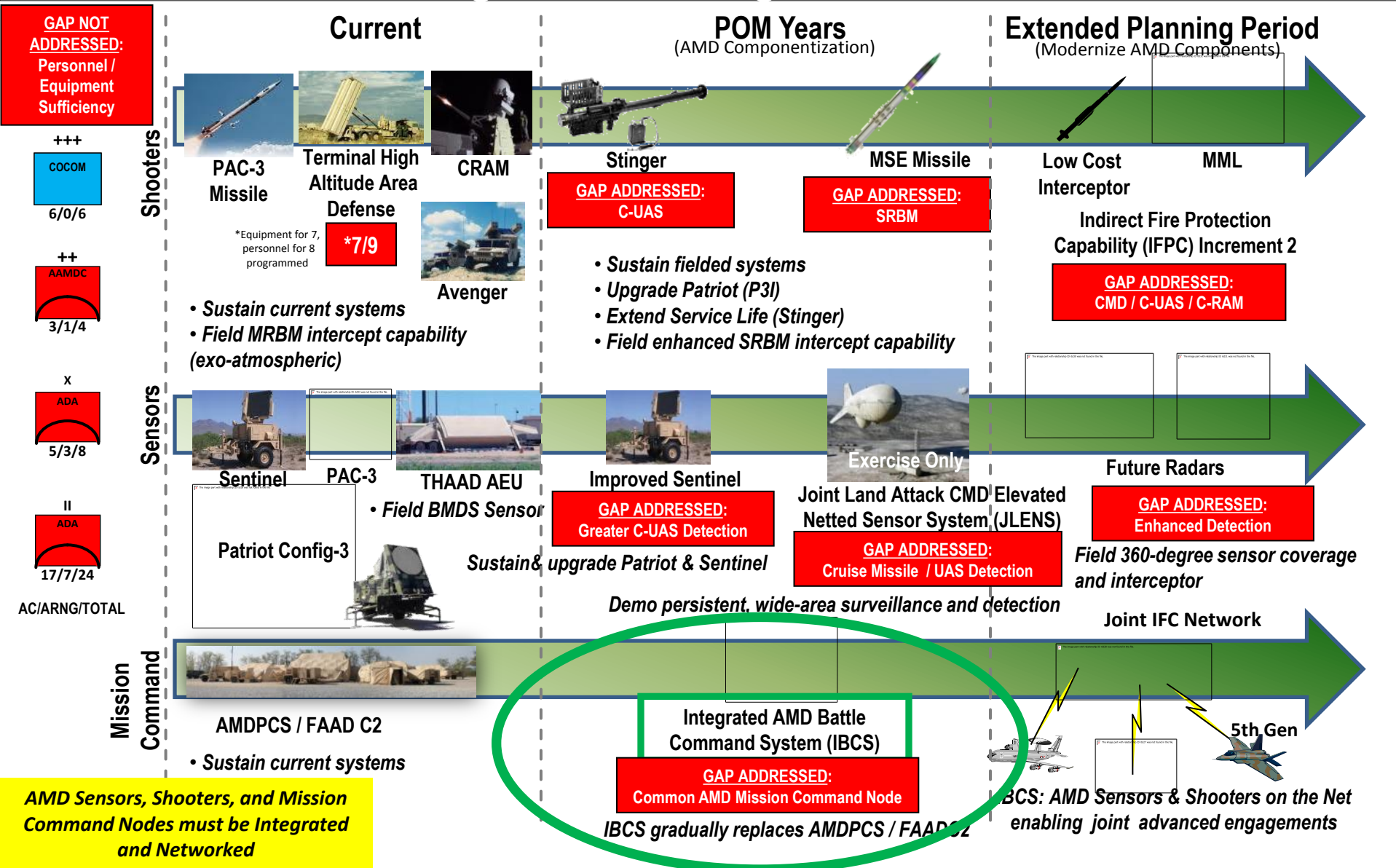
**SMDC Hosts Bi-Weekly AMD/BMD Telecon**

# **The Army AMD Modernization Strategy**

- Integrate the Force**
- Protect the Force**
- Build Partner Capacity**
- Transform the AMD Force**

# AMD Modernization

## Defending the Full Range of Air Threats



# Emerging IAMD Technology Initiatives

- High Energy Lasers
- Railgun
- Left of Launch
  - Non-kinetic
  - Cyber Operations
  - Joint
- Counter Hypersonic Weapons
- ARCYBER Command formed to address Cyber attack. Collaboration with MDA to examine MD Cyber defense approaches.

# AIAMD First Flight Test - 28 May 2015

- Successful intercept test against a Tactical Ballistic Missile (TBM) surrogate target using a Patriot Guidance Enhanced Missile-Tactical (GEM-T) missile. A Patriot-As-A-Target TBM surrogate flew a TBM trajectory against an asset defended by an AIAMD task force.
- Task Force comprised of a Battalion Engagement Operations Center (EOC), a non-located Battery EOC with a Patriot radar, and a remote Integrated Fire Control Network (IFCN) Relay connected to two adapted Patriot Launchers operating on an IFCN.
- The IBCS coordinated all aspects of the engagement sequence.
- This test demonstrated the ability to conduct an engagement over an IFCN utilizing the IAMD Battle Command System (IBCS).

**IAMD Battle Command Systems (IBCS) Battalion  
Engagement Operations Center (EOC)**

**White Sands Missile Range**

**AIAMD Flight Test**

## The Critical Factor – Trained and Ready Soldiers

- Conducting 24/7 GMD Homeland Defense
- Playing Integral Role in NTC's
- Continuous Updated Training on Current and Newly Fielded Systems
- Leveraging the Unique Strengths of ARNG, Reserve & Active Components

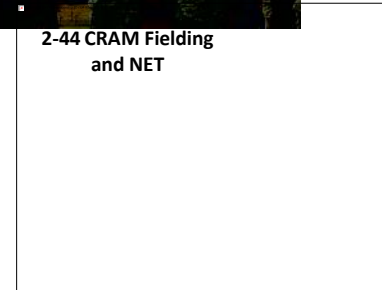
Patriot Soldiers depart for Turkey



THAAD Soldiers in Guam



2-44 CRAM Fielding and NET



- High Demand – 58% ADA Forward Deployed

# Way Ahead

- **Build On Success**
- **Ensure Synchronization & Integration Enterprise is Enduring**
- **Conduct Experiments that Address Simultaneous Air and Missile Attacks**
- **Closer Collaboration and Coordination Between Services and Coalition Partners**
- **Conduct Early Vulnerability Assessments of Systems and Architectures**
- **Develop Better Automated Linkages Between Sensors, Communications and C2 of Air & Missile Defense Systems**

**An IAMD Enterprise That Defends Critical Assets and Protects the Force**

# Questions?