



# Homeland Security Implementation Strategy and Interagency Management Approach for MPAR

## Senior Leader Perspective: MPAR Potential and Interagency Collaboration

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Homeland  
Security

# Interagency Challenges



DepSec Homeland Security (Oct 08)

DepSec Defense (Jan 09)

- ◆ Existing surveillance assets are inadequate
- ◆ Must improve air domain awareness and ability to address full spectrum airborne threats
- ◆ DHS initiated architecture study to identify DoD technologies that benefit the DHS mission
- ◆ DHS supports NORTHCOM's Gap Filler Strategy and OTHR JCTDs
- ◆ Pledges in-kind funding

- ◆ Benefit in collaboration and development of long-term investment strategies
- ◆ Identified DoD funding of \$108M (FY09-13) and requested DHS funding of \$21M (C2GapFiller & OTHR)
- ◆ Proposes a DoD-DHS SES-level working group
  - ◆ Work the JCTDs
  - ◆ Coordinate DHS participation in special sensor effort
  - ◆ Provide periodic updates to the CDWG and SSG



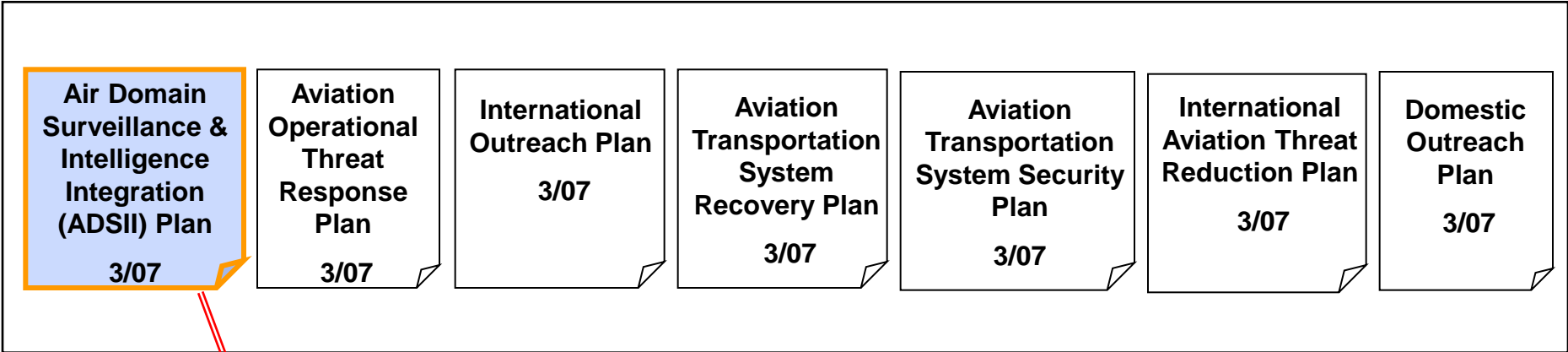
# Integration Directed from Above

**NSPD-47/HSPD-16: Aviation Security Policy**  
**PRESIDENTIAL SIGNATURE 22 JUN 06**

**BTS-PCC**  
**(Border & Transportation Security Policy Coordinating Committee)**

**NATIONAL STRATEGY FOR AVIATION SECURITY**  
**PRESIDENTIAL SIGNATURE 26 MAR 07**

**-- Seven Supporting Plans --**



***Approved by SecDef & DNI... in coordination with AG, and Sec State, Trans, Homeland Security***

# National-Level Activities



- **Air Domain Surveillance and Intelligence Integration**

- NSPD-47/HSPD-16 – comprehensive and integrated national approach to secure the Aviation Transportation System
- Holistically address cooperation, governance, & funding

- **Air Domain Awareness**

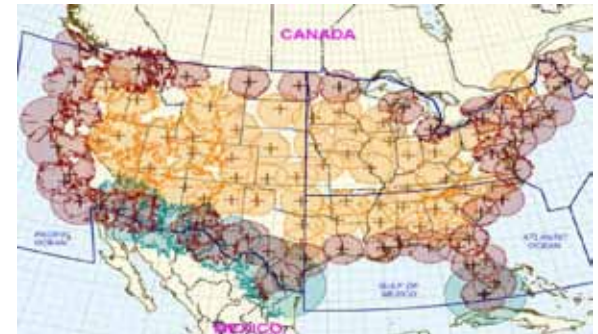
- DHS/S&T is funding the 2 day Jan 10 Summit and co-leading with N/NC J58
- The ADA Summit is intended to parallel and build upon the Surveillance Summits with desired DepSec level Principal attendees.
- The objective is an agreement upon a definition/scope of ADA
- Direction to develop an ADA CONOPS, and guidance to consider an ADA governance framework

Significant interagency activities could affect future requirements

# National-Level Activities



- **Next Generation Air Transportation System (NextGen)**
  - Transformational approach to resolving current inadequacies
  - Established a multi-agency Joint Planning and Development Office (JPDO)
    - Only recent focus on DoD and DHS air security needs
    - Created Integrated Surveillance ConOps
    - Developing Governance and Enterprise Architecture
- **Secretary Napolitano “committed to integrated air surveillance”**



Significant interagency activities could affect future requirements

# National-Level Activities



- **Joint Integrated Air and Missile Defense (JIAMD)**
  - Missile Defense Policy/Posture Review
  - POM 10 changes
  - Black Dart
  - JIAMD Summit
    - Common Baseline for capabilities and programs
    - Homeland Defense IIPT



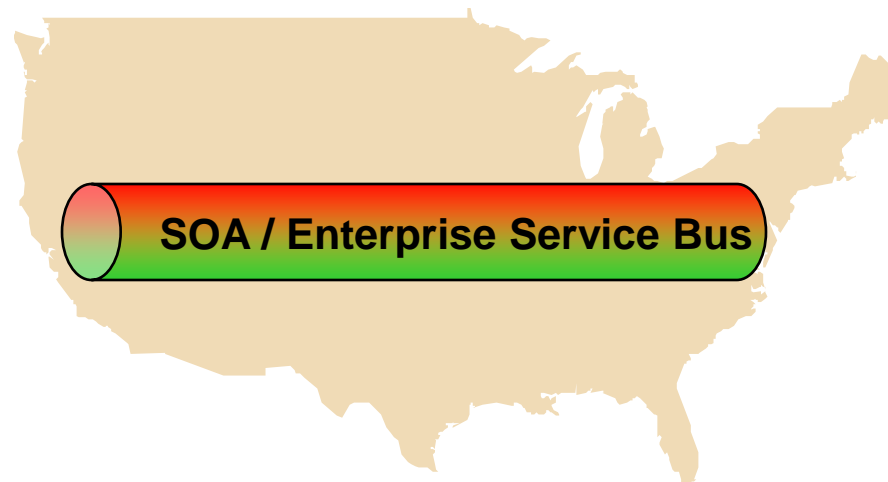
Significant interagency activities could affect future requirements

# National-Level Activities



- **C2 GapFiller JCTD**

- Demonstrate advanced data and information fusion capabilities
- Demonstrate a net-centric communications architecture to share Joint, Interagency, Intergovernmental information more effectively
- Congressional notification for FY09 New Start (28 Sep 09) submitted after DHS commitment (\$16M FY10-12)



Significant interagency activities could affect future requirements

# National-Level Activities



- **Next Generation Over-the-Horizon Radar Technology Risk Reduction Initiative (TRRI) Study**
  - Overcomes line-of-sight limitations
  - Potential to provide persistency and long-range, wide-area coverage
  - Combines maritime surveillance, ballistic missile defense applications, and air surveillance functionality



Significant interagency activities could affect future requirements



# National-Level Activities



- **Wind Turbine Modeling Study**
  - Interagency Software/Modeling Development
    - Radar Modeling Requirements
    - Wind Turbine Modeling
    - Output Requirements



Significant interagency activities could affect future requirements

# National-Level Activities



## • Multifunction Phased Array Radar

*could be-*

- An effective complement to the FAA GPS system
- Improved weather surveillance
- Improved surveillance of U.S. airspace for potential threats
- Wind turbine effects mitigation
- Mitigation of L-Band GPS signal interference





# ***DHS/S&T Special Programs Division (SPD)***

- ***SPD has an innate sense of our customers remote sensing needs and requirements***
  - ***Co-sponsored several evaluation assessments on the utility of MPAR***
- ***Air Domain Awareness and Integrated Surveillance Working Groups help to define policy perspective as it relates to air and weather surveillance***
- ***Working Groups include policy community, ensuring consideration of risk-informed strategy***
  - ***Solidify interagency support***
  - ***Monitor current JCTDs and develop longer-term approach on S&T and acquisition areas of interest to conserve resources***
  - ***Developing plans to resolve outstanding JCTD funding issues***



# Questions - Discussion