Homeland Security
Implementation Strategy and Interagency Management Approach for MPAR

Senior Leader Perspective:
MPAR Potential and Interagency Collaboration

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Interagency Challenges

DepSec Homeland Security (Oct 08)

- 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

DepSec Defense (Jan 09)

- 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

NATIONAL STRATEGY FOR AVIATION SECURITY
PRESIDENTIAL SIGNATURE 26 MAR 07

-- Seven Supporting Plans --

- Air Domain Surveillance & Intelligence Integration (ADSII) Plan
  3/07
- Aviation Operational Threat Response Plan
  3/07
- International Outreach Plan
  3/07
- Aviation Transportation System Recovery Plan
  3/07
- Aviation Transportation System Security Plan
  3/07
- International Aviation Threat Reduction Plan
  3/07
- Domestic Outreach Plan
  3/07

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

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