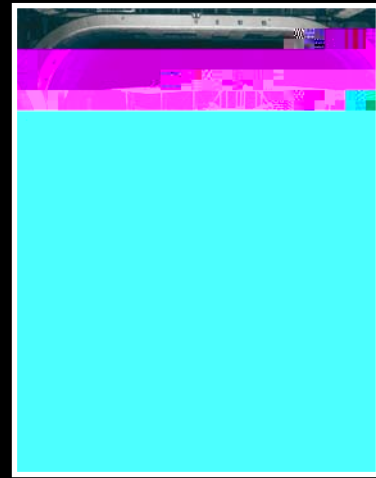


# Public meeting of the National Aeronautics Research and Development Plan



10 July 2007



# National Aeronautics R&D Policy

- Executive Order 13419
- Establishes Principles
- Sets Policy Goal and Objectives
- Creates General Guidelines for Federal Government
- Establishes Specific Guidelines
- Implementation Guidelines



<http://www.ostp.gov/nstc/aeroplans/>



# Policy Goal

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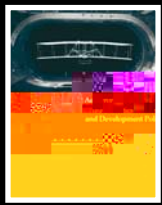
*“Advance U.S. technological leadership in aeronautics by fostering a vibrant and dynamic aeronautics R&D community that includes government, industry, and academia.”*



# Policy Principles

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1. *Mobility* through the air is vital to economic stability, growth, and security as a nation
2. Aviation is vital to *national security and homeland defense*
3. Aviation *safety* is paramount
4. *Security* of and within the aeronautics enterprise must be maintained



# Policy Principles

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5. The US should continue to possess, rely on, and develop its world-class aeronautics *workforce*
6. Assuring *energy availability and efficiency* is central to the growth of the aeronautics enterprise
7. The *environment* must be protected while sustaining growth in air transportation



# Strategy for Development of Plans

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## Creation of R&D Coordinating Groups:

- Mobility
- National Security and Homeland Defense
- **Aviation Safety**
- Aviation Security
- Energy and Environment
- RDT&E Infrastructure





# Safety Coordinating Group Outreach

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- Participate in NSTC-sponsored outreach:
  - Cincinnati, OH, 11 July
  - Mountain View, CA, 30 July
- Participation in industry-Government safety meetings:
  - Center for General Aviation Research Annual Meeting, Atlantic City, NJ, 6 June 2007
  - Data Mining for Aeronautics, Science and Exploration Systems Conference 2007, Mountain View, CA, 26 June 2007
  - Center for Advanced Materials Annual Meeting, Atlantic City, NJ, 10 July
  - 2007 National Software and Complex Electronic Hardware Conference, New Orleans, LA, 24 July
- Call for White Papers







# Sample Topics — First Round White Papers

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- Loss-of-Control
- Crashworthiness of composites
- Capability to move from pilot-in-the-loop to fully autonomous control systems (UAS)





# 3<sup>rd</sup> Public Meeting

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# Timeline Definitions

Near-Term	Mid-Term	Far-Term
JPDO Epoch 1	JPDO Epoch 2	JPDO Epoch 3
FY2007-11	FY2012-18	FY2019-26



# National Aeronautics R&D Policy

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Questions?