

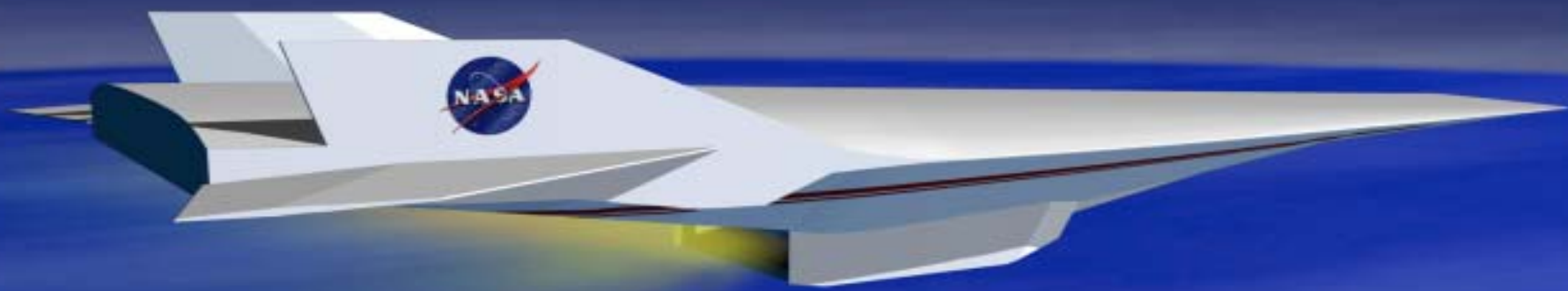
**You are here**



*Spirit's* View of Home

- **NASA Vision**
- **Space Exploration Vision**
- **Current Exploration**
- **Exploration in Aeronautics Research**

**To provide advanced aeronautical technologies  
to meet the challenges of next generation systems in aviation,  
for civilian and scientific purposes,  
in our atmosphere and in those of other worlds.**



**Our success is measured by the extent to which our results  
are used by others to improve the quality of life and  
enable exploration and scientific knowledge**



# Aeronautics Research Contributes to the NASA Vision and Mission through Technology Transfer and Application

## NASA's Vision

- To improve life here
- To extend life to there
- To find life beyond

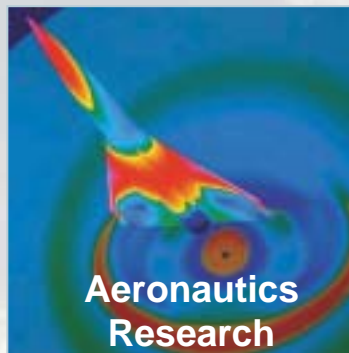


**Government Agency Partners**

**NASA's other Missions**



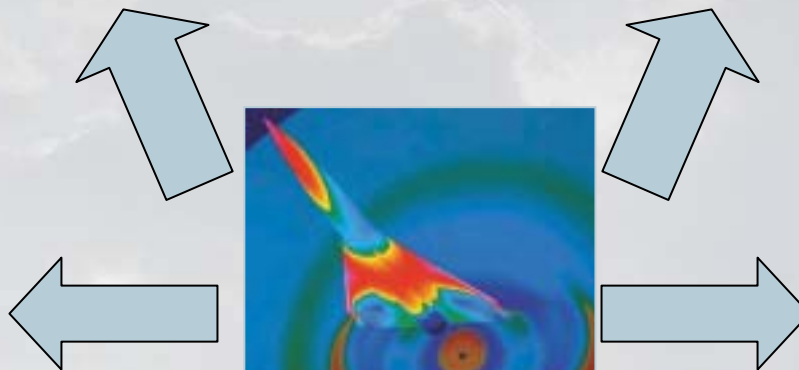
**Universities**



**Aeronautics  
Research**



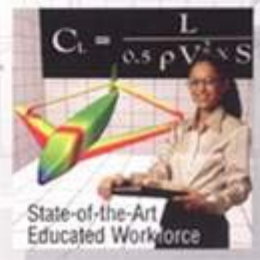
**Industry**





Timeline: 2002 2005 2008 2009 2012 2015 2025

# The NASA Aeronautics Blueprint— Toward a Bold New Era of Aviation



Revolutionary Vehicles National Security  
Good Neighbor



Security Safety  
An Educated Workforce

Electronic copy available: [www.aeronautics.nasa.gov](http://www.aeronautics.nasa.gov)



Recommendations

Aero

NRC

ASME

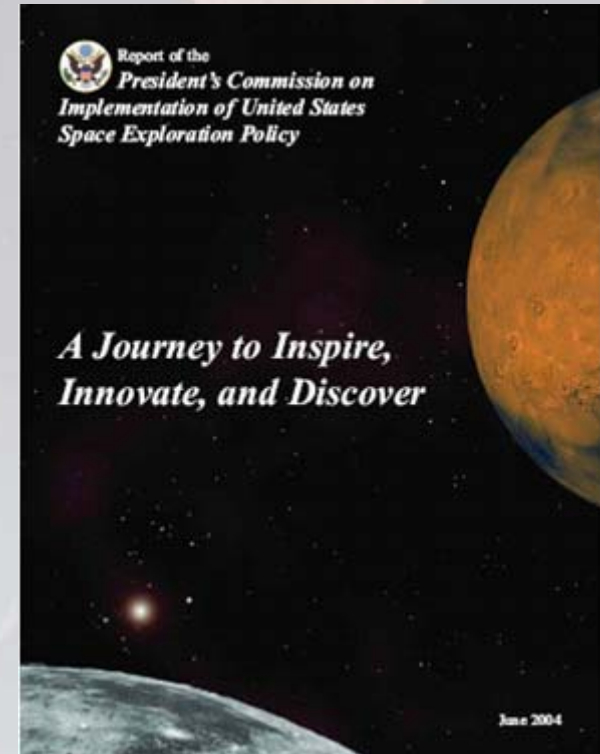
AIA



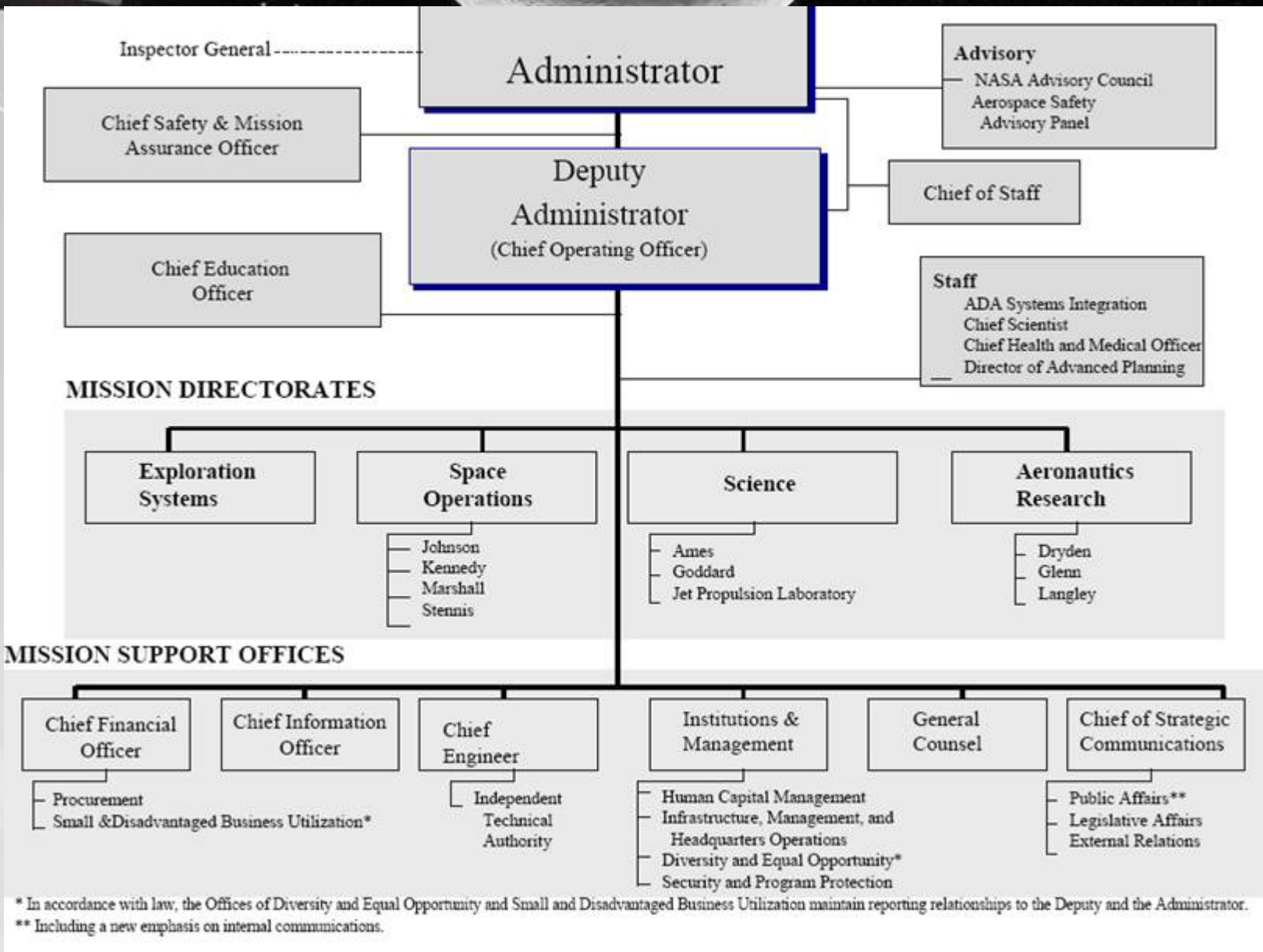
National Aerospace Vision	X	X	X	X
National Aerospace Leadership	X	X	X	X
Fund Long Term Basic R&D	X	X	X	X
National R&D Coordination	X	X		X
Core Capabilities (Infrastructure)	X			X
Form FAA/NASA Joint Program Office	X		X	X
Technology Demonstration	X	X	X	
Transforming the National Airspace System	X	X		X
Government Industry Partnerships	X	X		X



- **Transformed Agency has four Mission Directorates: Aeronautics Research, Science, Space Operations, and Exploration Systems**
- **“Far larger presence of private industry in space operations” signals new ways of dealing with private sector**
- **“NASA should establish performance-oriented goals and then allow the private sector to compete aggressively” will mean less directed research**
- **“The Commission proposes a new model for NASA Centers”**
- **“Create within NASA an organization drawing upon lessons learned from...DARPA”**
- **Enabling technologies include advanced structures and autonomous systems and robotics, which also are driven by aeronautical research.**





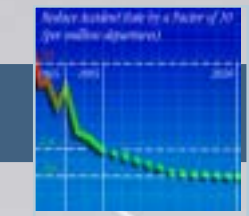


\* In accordance with law, the Offices of Diversity and Equal Opportunity and Small and Disadvantaged Business Utilization maintain reporting relationships to the Deputy and the Administrator.  
 \*\* Including a new emphasis on internal communications.



# Theme

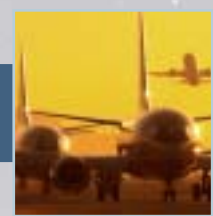
## Theme Objectives



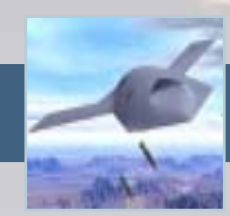
**Protect Air  
Travelers and  
the Public**



**Protect the  
Environment**



**Increase  
Mobility**



**Partnerships  
for National  
Security**



**Explore New  
Aeronautical  
Concepts**

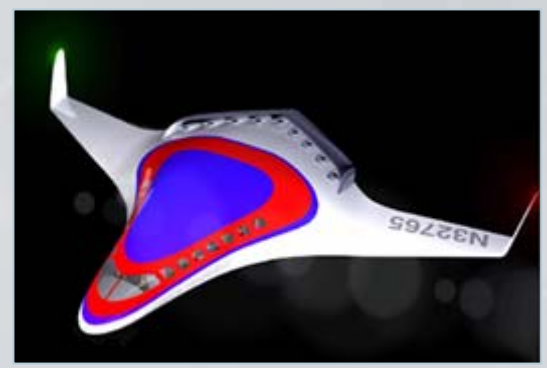
# Programs



**Aviation Safety & Security**



**Airspace Systems**



**Vehicle Systems**