



## ***GPS Policy Update***

# **2010 International Symposium on GPS/GNSS**

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# Overview



- 
- **Policy History**
  - **New National Space Policy**
  - **Policy Organization**
  - **Summary**



# Introduction



- **Over the past decade, GPS has grown into a global utility providing space-based positioning, navigation and timing (PNT)**
  - **Consistent, predictable, dependable policy and performance**
  - **Augmentations improve performance even further**



- **Like the Internet, GPS has become a critical component of the global information infrastructure**
  - **Scalable applications enabling broad new capabilities**
  - **Facilitating innovations in efficiency, safety, environmental, public security, and science**



# Keys to Successful U.S. Program



- **Policy Stability**
- **Transparency**
- **Program Stability**
- **Sustained Performance and Credibility**
- **Continuous Improvement**

*Policy stability and transparency improve industry confidence and investment*



# U.S. Policy History



- **1983:** President announces civilian access to GPS following KAL 007
- **1991:** U.S. offers free civil GPS service to the International Community
- **1996:** First U.S. GPS Policy establishes joint civil/military management
- **1997:** U.S. law provides civil GPS access free of direct user fees
- **2000:** President ends use of *Selective Availability*
- **2004:** President issues U.S. Policy on Space-Based PNT
- **2004:** Agreement signed on GPS-Galileo Cooperation
- **2007:** President announces *Selective Availability* eliminated from future GPS III satellites
- **2010:** New National Space Policy provides high-level PNT guidance



# New U.S. National Space Policy

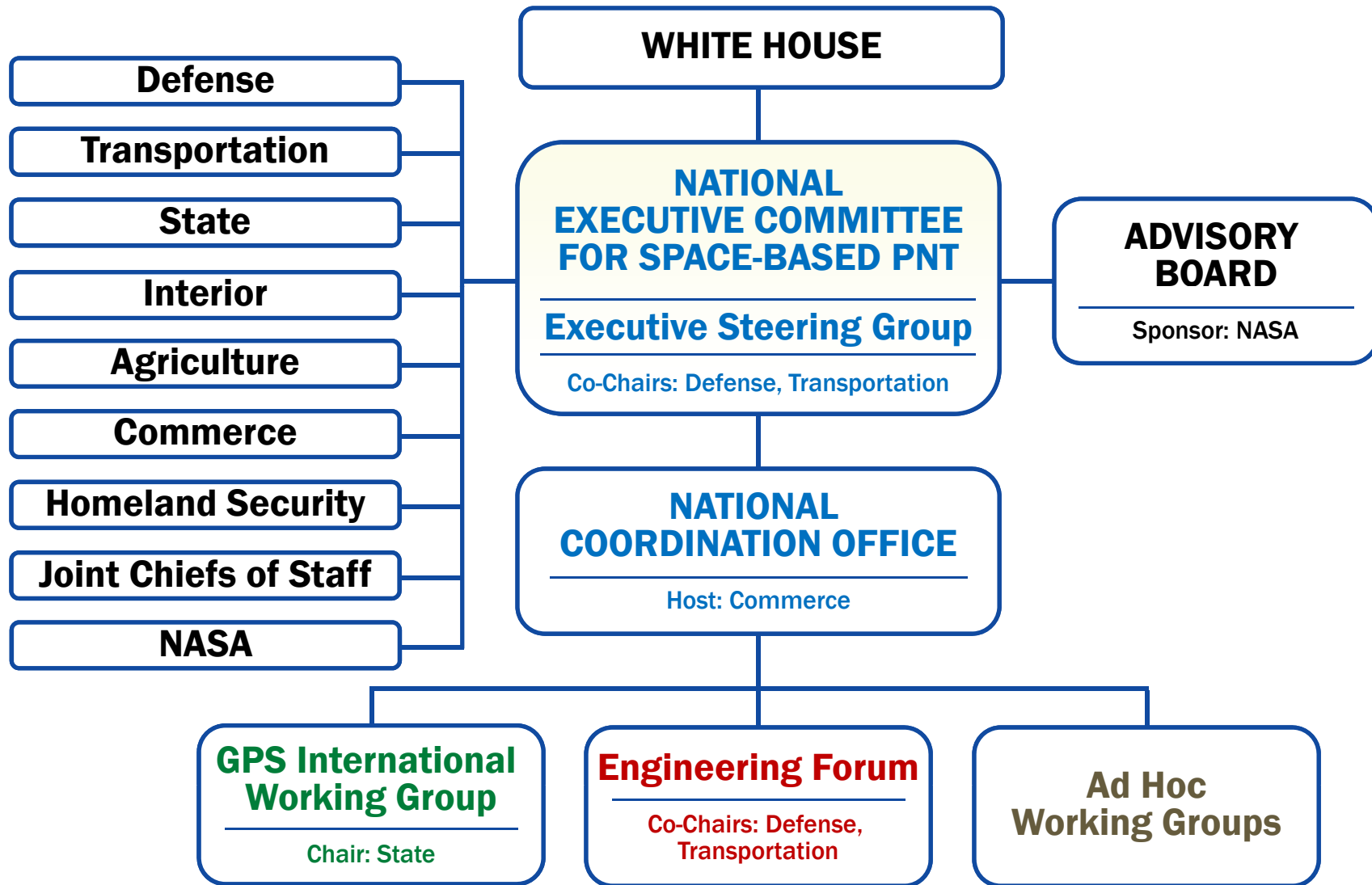


## *Space-Based PNT Guideline: Maintain leadership in the service, provision, and use of GNSS*

- Provide civil GPS services, free of direct user charges
  - Available on a continuous, worldwide basis
  - Maintain constellation consistent with published performance standards and interface specifications
  - Foreign PNT services may be used to complement GPS services
- Encourage global ***compatibility*** and ***interoperability*** with GPS
- Promote ***transparency*** in civil service provision
- Enable market access to industry
- Support international activities to detect and mitigate harmful interference



# U.S. National Space-Based PNT Organization Structure





# National Space-Based PNT Advisory Board



- **Conducts assessments & makes recommendations to EXCOM in support of national policy goals and objectives**
- **Twenty members (including 5 international members)**
  - **Co-Chaired by Dr. James Schlesinger and Dr. Brad Parkinson**
- **Next cycle of taskings presented October 13, 2010**
- **Next meeting – Spring 2011**





# Summary



- **GPS is a critical component of the global information infrastructure**
  - Compatible with other satellite navigation systems and interoperable at the user level
  - Guided at a national level as multi-use asset
  - Acquired and operated by Air Force on behalf of the USG
- **New U.S. policy continues to support free access to civilian GPS signals while establishing a foundation of leadership in the evolution of GNSS**
- **Policy stability and transparency improve industry confidence and investment**

***GPS continues to provide  
consistent, predictable, dependable performance***



# For Additional Information...



The screenshot shows the Chinese version of the GPS.gov website. The browser address bar displays <http://www.gps.gov/chinese.html>. A red circle highlights the language selection menu at the top, which includes options for English, Español, Français, 普通话 (Mandarin), and عربي (Arabic). The main content area features a large image of Earth from space, followed by a grid of smaller images showing various GPS applications. Below this, the title "全球定位系统 为全世界服务" (Global Positioning System for Global Service) is displayed. The text describes the GPS system as a U.S. government organization providing free positioning, navigation, and timing services. It also lists applications such as timing, roads and highways, and aviation. A sidebar on the right contains buttons for "系统信息" (System Information) and "应用" (Applications).

[www.GPS.gov](http://www.GPS.gov)

The screenshot shows the English version of the PNT.gov website. The browser address bar displays <http://mencidulus.nos.noaa.gov/>. The page header features the "SPACE-BASED POSITIONING NAVIGATION & TIMING NATIONAL EXECUTIVE COMMITTEE" logo. The main content area provides an overview of the PNT organization, stating it is a U.S. Government organization established by Presidential directive. It also mentions the National Executive Committee is chaired jointly by the Deputy Secretaries of Defense and Transportation. A red circle highlights the "What's New at PNT.gov" section, which lists recent presentations and releases. A sidebar on the left contains a navigation menu with links to Home, What is PNT?, U.S. Policy, Charter, Membership, Meetings, Coordination Office, Advisory Board, Working Groups, International Cooperation, Public Materials, FAQ, External Links, and Site Index. The USA.gov logo is visible at the bottom left of the page.

[www.PNT.gov](http://www.PNT.gov)



# **Contact Information**



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