



SPACE-BASED POSITIONING
NAVIGATION & TIMING
NATIONAL COORDINATION OFFICE



Policy Update

PNT Advisory Board

Baltimore, Maryland

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United States of America



U.S. National Space Policy

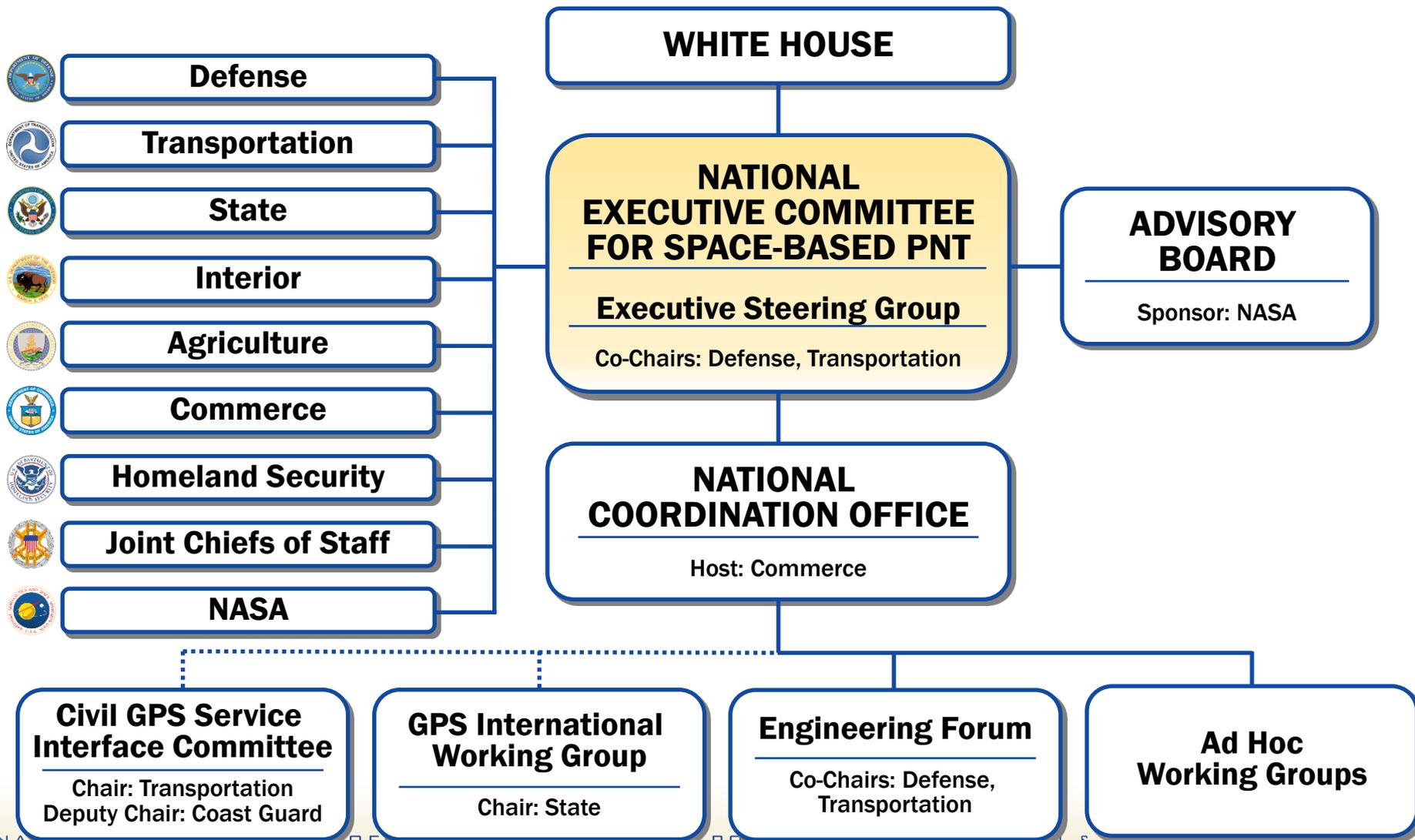


Space-Based PNT Guideline: Maintain leadership in the service, provision, and use of GNSS

- **Provide continuous worldwide access to GPS for peaceful uses, free of direct user charges**
- **Engage with foreign GNSS providers on compatibility, interoperability, transparency, and market access**
- **Operate and maintain GPS constellation to satisfy civil and national security needs**
 - Foreign PNT may be used to strengthen resiliency
- **Invest in domestic capabilities and support international activities to detect, mitigate, and increase resiliency to harmful interference**



National Space-Based PNT Organization





EXCOM Strategic Focus Areas



- **GPS Sustainment and Modernization**
- **International Cooperation**
- **Spectrum Management**
- **Critical Infrastructure**
- **PNT Resilience**
- **Outreach**



The Airwaves Are Not Safe



- **Computers and the Internet: Once Upon a Time...**
 - **A GPS receiver is more computer than radio...**
- **GPS relies on spectrum – no longer a safe haven**
- **GPS receivers lack cyber resilience**
- **Policy directs PNT resiliency (NSPD-39, PPD-4, PPD-21)**
- **Jan 6, 2017 - DHS released Best Practices document now available on GPS.gov:**

"Improving the Operation and Development of Global Positioning System (GPS) Equipment Used by Critical Infrastructure"

Protect GPS and Critical Infrastructure that Relies on GPS



Thank You



The screenshot shows the GPS.gov website homepage. At the top, there is a navigation bar with links for Home, What's New, Systems, Applications, Governance, Multimedia, and Support. Below the navigation bar, the main heading reads "GPS: The Global Positioning System" with the subtitle "A global public service brought to you by the U.S. government". The page is divided into two main sections: "INFORMATION FOR THE GENERAL PUBLIC" and "FOR GPS PROFESSIONALS". The "GENERAL PUBLIC" section features an article titled "How to Correct Your Address in GPS Devices, Apps, & Online Maps" with a map image and a button to "Report your issue to the map providers". The "PROFESSIONALS" section has a "What's HOT for Pros" list including technical documentation, presentations, and events, along with a "News Items" section.

www.GPS.gov provides detailed information on legislation pertinent to GPS, such as:

- Program Funding, specifically information on Defense and Transportation appropriations, as well as Defense Authorization (NDAA). The website has archival information going back to Fiscal Year 2009.
- You may also find information on legislation related to Geolocation Privacy, and previous Enacted Laws.
- Subscribe to the GPS Bulletin

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