



SPACE-BASED POSITIONING
NAVIGATION & TIMING
NATIONAL COORDINATION OFFICE

U.S. Space-Based Positioning, Navigation and Timing (PNT)

*57th Meeting of the Civil GPS Service Interface Committee
Portland, Oregon*

26 September 2017

Ken Alexander, Senior Advisor
on behalf of
Harold W. Martin III, Director
National Coordination Office

GPS Improves Economy & Efficiency of Everyday Operations



Applications

- Aviation
- Search and rescue
- Surveying & mapping
- Trucking & shipping
- Agriculture
- Offshore drilling
- Fishing & boating
- Military
- Scientific
- Timing
- Tracking
- Exploration



GPS is a Global Utility



U.S. Policy

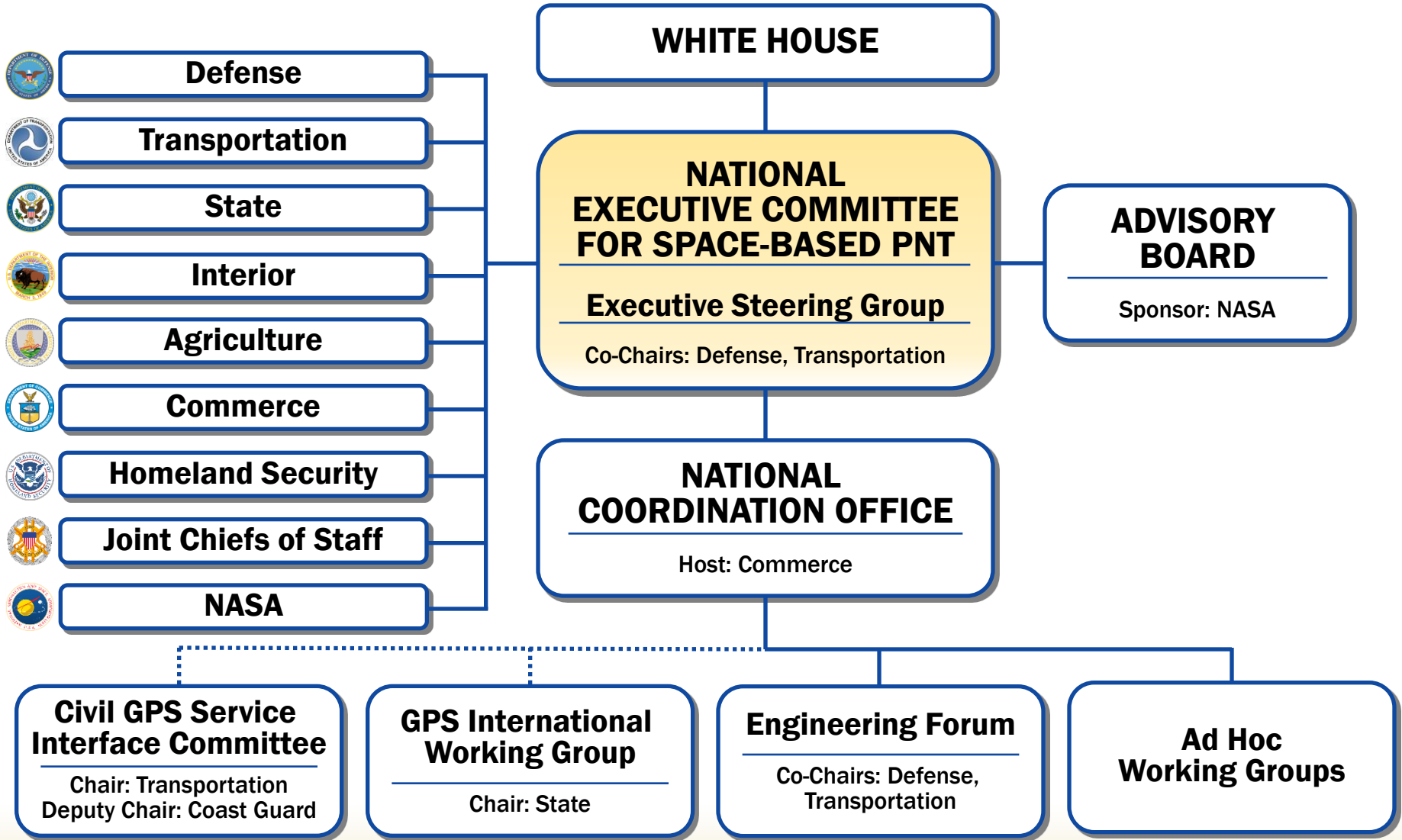


The U.S. must maintain its leadership in the service, provision, and use of Global Navigation Satellite Systems (GNSS)

- **Continuous, worldwide, free of direct user fees**
- **Encourage compatibility and interoperability** with foreign GNSS services and **promote transparency** in civil service provisioning
- **Operate and maintain constellation to satisfy civil and national security needs**
 - Foreign PNT services may be used to augment and strengthen the resiliency of GPS
- **Invest in domestic capabilities and support international activities to detect, mitigate and increase resiliency** to harmful interference



National Space-Based PNT Organization





PNT Executive Committee (EXCOM) Strategic Focus Areas



Strategic focus areas include:

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



Thank You

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GPS BULLETIN
Information for Policymakers from the National Coordination Office for Space-Based Positioning, Navigation, and Timing (PNT)
March 29, 2017

Update on Fiscal Year 2017 GPS Appropriations

On March 9, the House passed H.R. 1301, the revised Department of Defense appropriations bill. The measure would increase overall FY 2017 funding for the GPS program above President Obama's request.

Program Line Item	President's Request	H.R. 1301
Space Procurement: GPS III Satellites	\$34.059M	\$34.059M
Development: GPS III Satellites	\$141.888M	\$171.888M
Development: Next Generation Operational Control System (OCX)	\$393.268M	\$393.268M
Development: Military GPS User Equipment (MGUE)	\$278.147M	\$309.047M
TOTAL	\$847.362M	\$908.032M

[View full details at GPS.gov](#)

GPS Backup Discussed at Senate Hearing

At a March 22 hearing held by the Senate Subcommittee on Oceans, Atmosphere, Fisheries, & Coast Guard (OAFRCG) on the State of the Coast Guard, the Coast Guard Commandant responded to questions regarding a GPS backup.

[View hearing information at senate.gov](#)
(The discussion on GPS backup begins at 1:22:09 in the video)

GPS Act Reintroduced

In February, Sen. Ron Wyden (D-OR) and Rep. Jason Chaffetz (R-UT) reintroduced the Geolocation Privacy and Surveillance Act ("GPS Act," S. 395 and H.R. 1062). The legislation seeks to provide clarity for government agencies, commercial service providers, and the public regarding the legal procedures and protections that apply to electronic devices that can be used to

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GPS: Accessible, Accurate, Interoperable