



SPACE-BASED POSITIONING  
NAVIGATION & TIMING

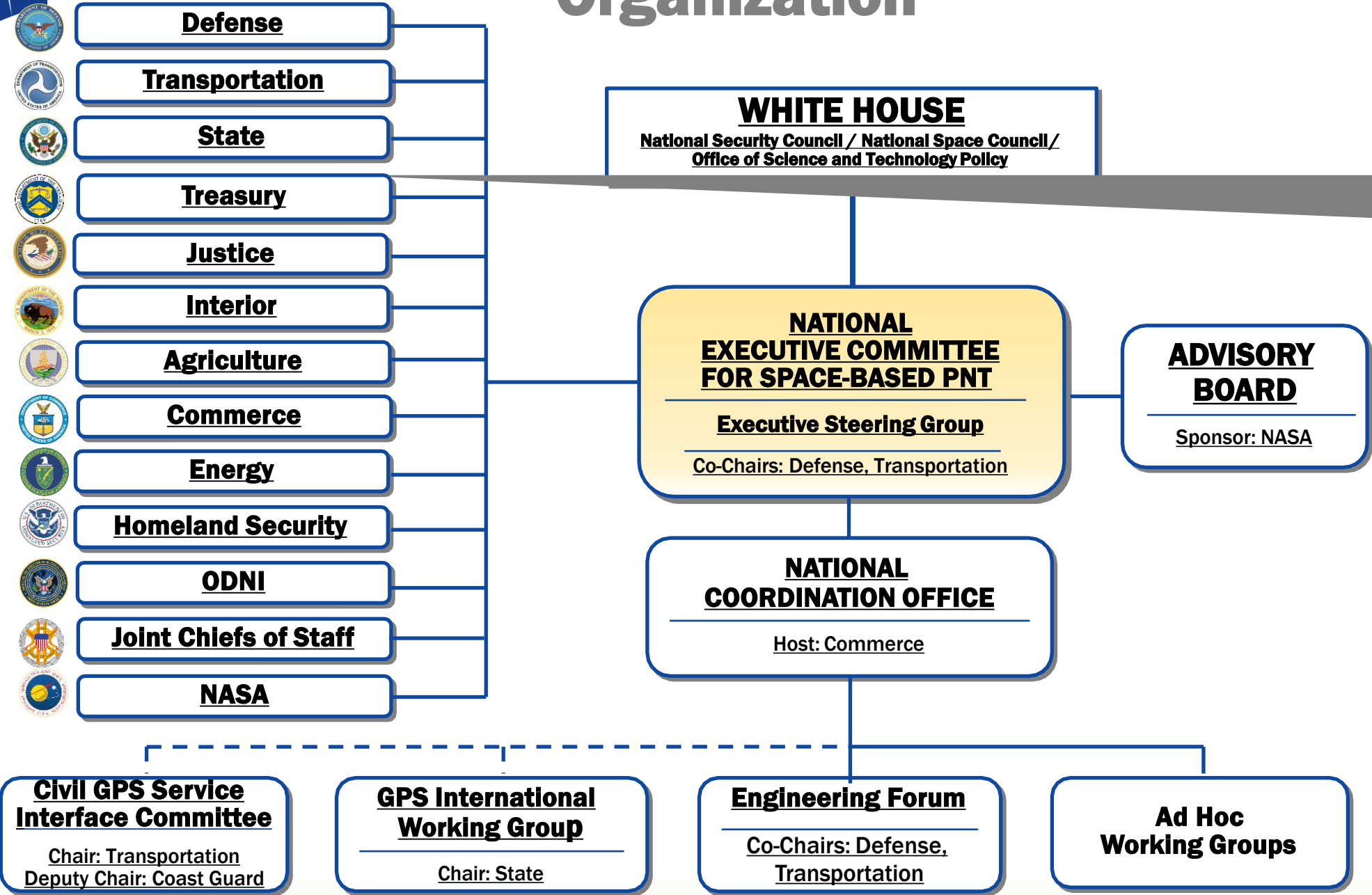
NATIONAL COORDINATION OFFICE

# *U.S. Space-Based Positioning, Navigation and Timing (PNT) Policy Update*

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# National Space-Based PNT Organization





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# U.S. Policy



**The goal of [SPD-7] is to maintain United States leadership in the service provision, and responsible use of global navigation satellite systems (GNSS), including GPS and foreign systems.**

- **Provide continuous, worldwide service free of direct user fees**
- **Encourage compatibility and interoperability with like-minded nations, promote transparency in civil service provisioning and enable market access for the United States industry**
- **Operate and maintain constellation to satisfy civil and national security needs and equip and train for the responsible use of GPS**
  - **Foreign PNT services may augment and strengthen the resiliency of GPS; however, the US Government does not assure the reliability or authenticity of foreign PNT services**
- **Invest in domestic capabilities and support international activities to detect, mitigate and increase resiliency to harmful interference**
- **Improve the cybersecurity of GPS, its augmentations, and United States Government-owned GPS-enabled devices, and foster private sector adoption of cyber-secure GPS-enabled systems**

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# Space Policy Directive 7 (SPD-7) of 15 January 2021



## Updates and replaces U.S. Space-Based PNT Policy of 2004

- Increased focus on protecting GPS and denying hostile use
- Incorporated principles of Responsible Use of GPS in Executive Order (EO) 13905
- Consistent guidance across the PNT policy ecosystem: SPD-7, SPD-5, EO 13905, National Space Policy
- Expanded EXCOM Membership
  - Added Departments of Treasury, Justice, Energy, and the Office of the Director of National Intelligence
- New direction: Protect the spectrum environment that is currently used by GPS and its augmentations



## SPD-7 Cont.



### Describes EXCOM structure and tasks

- **The EXCOM is the interagency body responsible for guiding and preserving whole-of-government interests in the provision of space-based PNT services, augmentations, and space-based alternatives**
- **The EXCOM shall make recommendations on sustainment, modernization, and policy matters regarding the United States space-based PNT services to its member agencies and the President (through the Executive Office of the President (EOP))**
- **Ensure that national security, homeland security, and civil requirements receive full and appropriate consideration in the decision-making process**
- **Review PNT spectrum management and protection issues in coordination with the Department of Commerce**

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