



SPACE-BASED POSITIONING
NAVIGATION & TIMING
NATIONAL COORDINATION OFFICE

Space-Based PNT Executive Committee and Interagency Focus

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Director**



National Space Policy, 2010

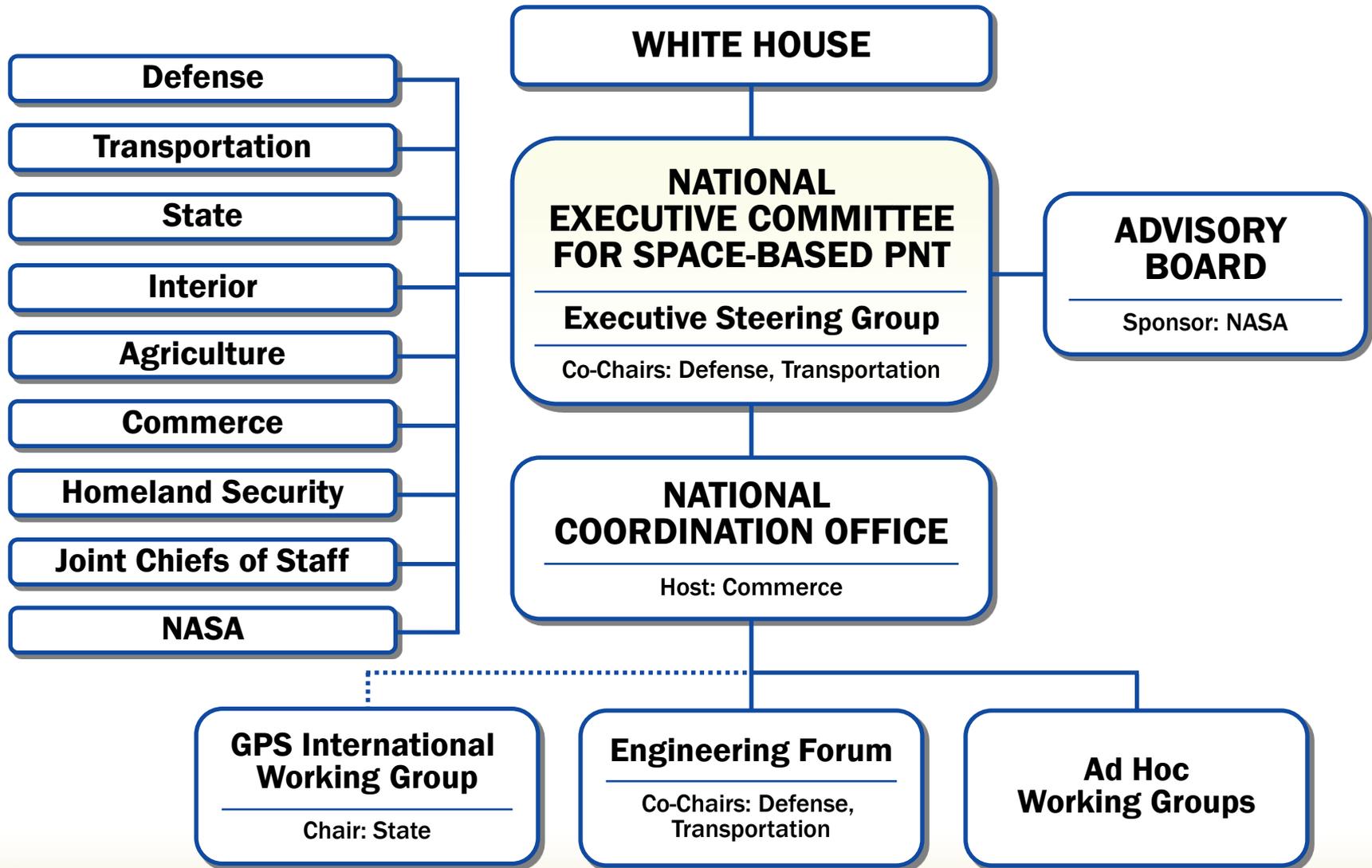


The U.S. must maintain its leadership in the service, provision and use of Global Navigation Satellite Systems (GNSS)

- **Provide continuous worldwide access to GPS for peaceful uses, free of direct user charges**
- **Encourage compatibility and interoperability with foreign GNSS services**
- **Operate and maintain 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**



U.S. Space-Based PNT Organization Structure





EXCOM Scope



- **GPS: Maintain U.S. Leadership**
- **Augmentations:**
 - **Wide-Area Augmentation System (WAAS)**
 - **Nationwide Differential GPS System (NDGPS)**
 - **Others**
- **Resilience of GPS users**
- **Spectrum: from RF Jamming to Management**
- **Outreach: Government, Industry, and International**

Space-Based PNT EXCOM: More Than Just GPS



EXCOM Focus Areas



- **Critical Infrastructure Security and Resiliency**
 - NSPD-39, National Space Policy (PPD-4)
 - Presidential Policy Directive (PPD) -21 – Critical Infrastructure Security and Resilience
 - Executive Order (EO) 13636 – Improving Critical Infrastructure Cybersecurity
 - National Infrastructure Protection Plan 2013
- **Civil Jammer Proliferation and Enforcement Actions**
- **Economic Assessment Phase 2**
- **Spectrum**

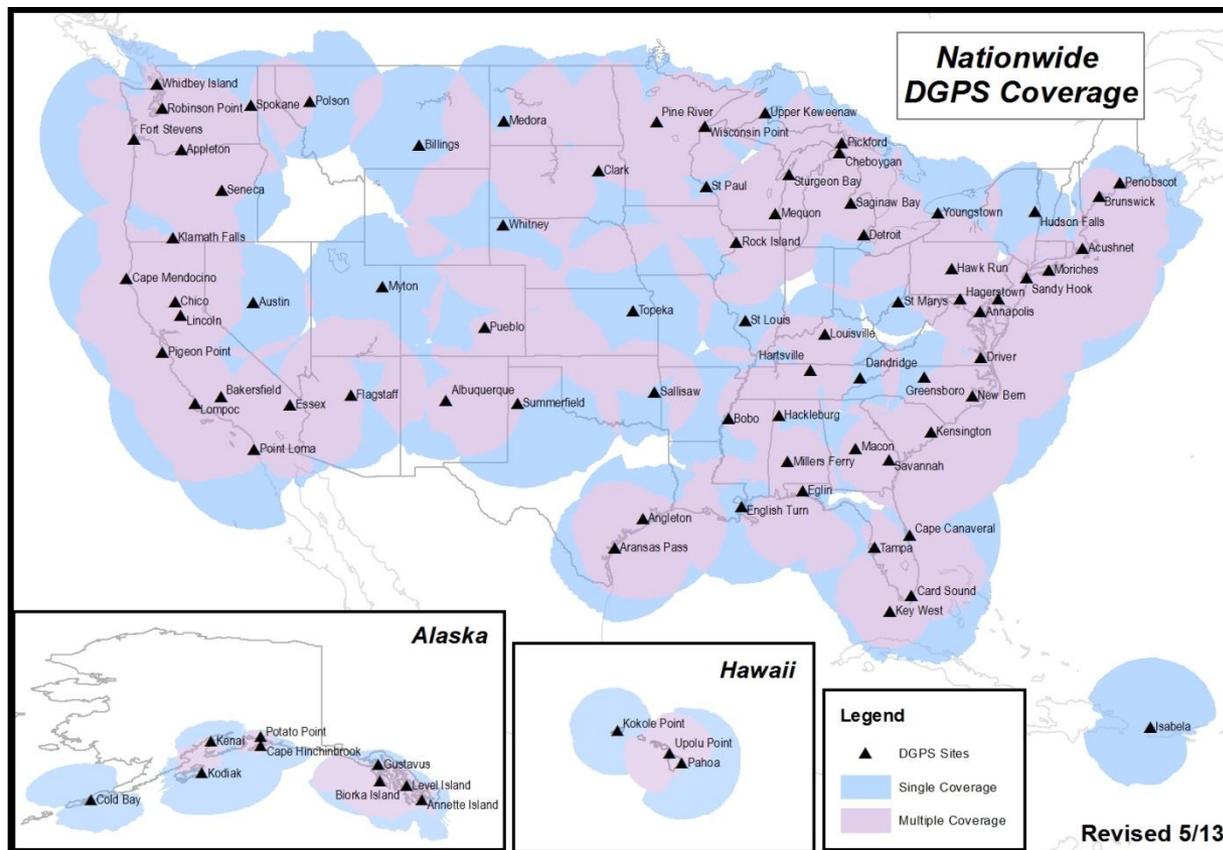


Nationwide Differential GPS (NDGPS)



Sponsors: U.S. Coast Guard & Department of Transportation

- 80+ sites
- Broadcasts GPS correction signals
- Improved accuracy & integrity





Assessment of Future of NDGPS



- **Joint U.S. Coast Guard & Department of Transportation Federal Register Notice
16 April 2013**
- **Current Activity: Identify and assess alternatives**
- **Decision timeline: No earlier than fall/winter 2014**
- **Continue uninterrupted NDGPS service to users as currently provided until future decision reached**
- **Public/user community information/ involvement in decision processes and next steps**



Summary



- **GPS receives national-level attention and guidance**
- **U.S. policy upholds longstanding commitments to free, continuous, worldwide GPS access**
- **GPS component of Critical Infrastructure Resiliency is being examined**
- **Spectrum protection issues continue for GPS and have national-level attention**
- **Broad outreach efforts to promote understanding of GPS across America and beyond**



Thank You !

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