Space-Based PNT Executive Committee and Interagency Focus

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Director
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

WHITE HOUSE

NATIONAL EXECUTIVE COMMITTEE FOR SPACE-BASED PNT
Executive Steering Group
Co-Chairs: Defense, Transportation

NATIONAL COORDINATION OFFICE
Host: Commerce

ADVISORY BOARD
Sponsor: NASA

Defense
Transportation
State
Interior
Agriculture
Commerce
Homeland Security
Joint Chiefs of Staff
NASA

GPS International Working Group
Chair: State

Engineering Forum
Co-Chairs: Defense, Transportation

Ad Hoc Working Groups
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
GPS Outreach: Raising Public Awareness

- GPS.gov
  - Customer oriented
  - Mobile-friendly format
  - Education homepage with resources for teachers
- STEM education efforts
- Co-sponsored museum exhibits
- International conferences
- Newsletter for Capitol Hill
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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