



SPACE-BASED POSITIONING
NAVIGATION & TIMING
NATIONAL COORDINATION OFFICE

UNCLASSIFIED

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

**10th Meeting of the International Committee on
Global Navigation Satellite Systems (ICG-10)
Boulder, Colorado**

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Director
National Coordination Office**

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GPS Enables a Diverse Array of Applications



Surveying and Mapping



Power Grids



Precision Agriculture



Transit Operations



NextGen



Disease Control Mapping



Intelligent Vehicles



TeleComm



Trucking



Personal Navigation



Shipping



Oil Exploration



Fishing and Boating

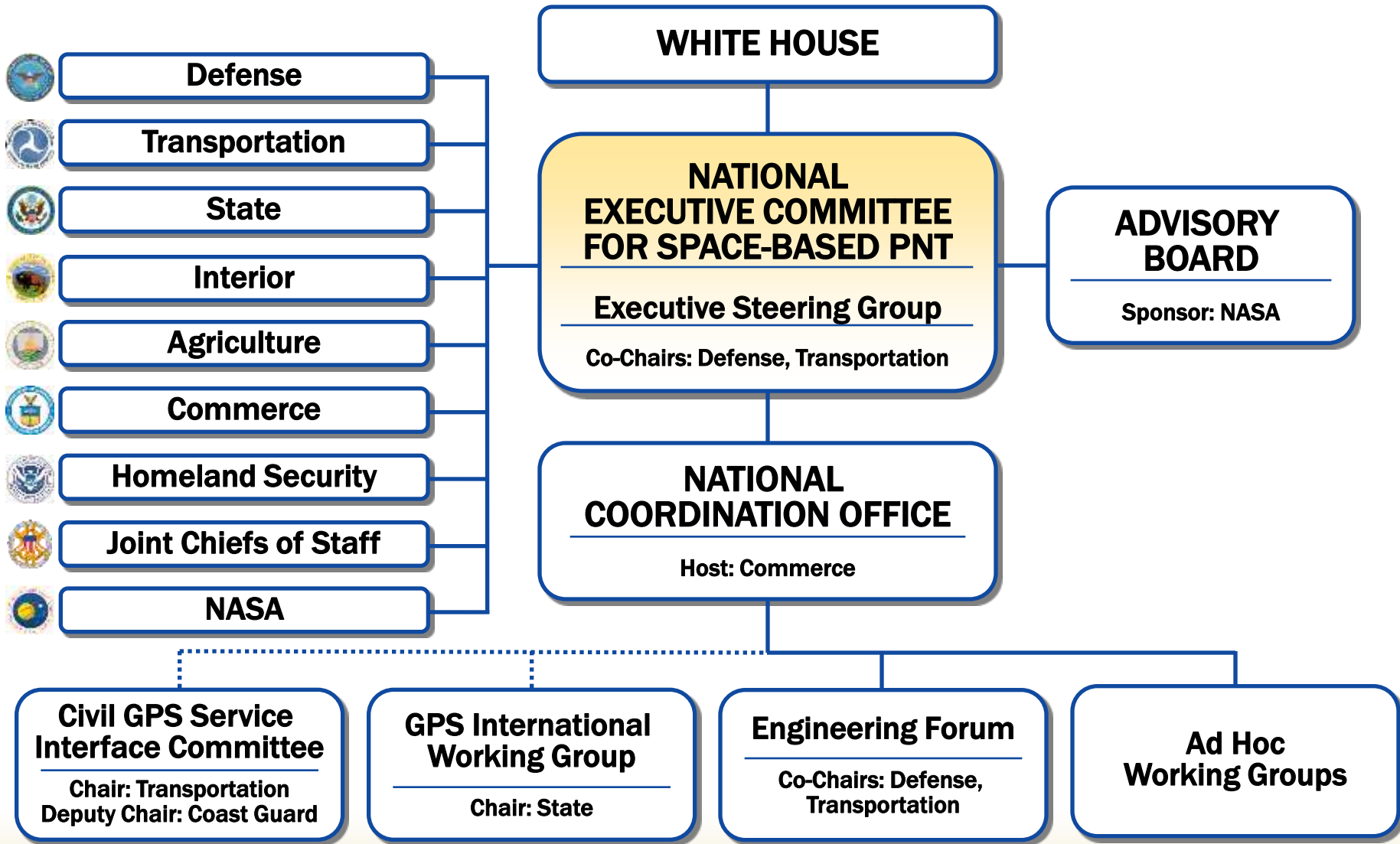


U.S. Policy

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





Complementary PNT

- **EXCOM looked at need for complement to GPS**
 - Assessment driven by many factors: from policy to technology
 - U.S. coverage for GPS outage from natural or man-made events
- **Current Activity: Identify and assess alternatives**
 - Assessed a broad mix of terrestrial RF and autonomous PNT technologies
- **Decision timeline supports FY17 investment decisions**
- **Public stakeholder comments obtained by *Federal Register Notice***



Thank You!



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 predictable, dependable performance***