



SPACE-BASED POSITIONING
NAVIGATION & TIMING
NATIONAL COORDINATION OFFICE



Space-Based Positioning, Navigation and Timing (PNT): A National Policy Overview

9th GPS Partnership Council

THE NATION Session

**Space and Missile Systems Center
Los Angeles, California**

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National Coordination Office



Overview



- U.S. Policy
- Modernization Program
- Applications





U.S. Policy Promotes Global Use of GPS Technology



- **Service improvements for civil, commercial and scientific users worldwide**
- **No direct user fees for civil GPS services**
 - **Provided on a continuous, worldwide basis**
- **Open, public signal structures for all civil services**
 - **Promotes equal access for user equipment manufacturing, applications development and value-added services**
- **Global compatibility and interoperability of GPS**
- **Encourages open, market-driven competition**



U.S. Space-Based PNT Policy



GOAL: Ensure the U.S. maintains space-based PNT services, augmentation, back-up, and service denial capabilities that...

ASSURE SERVICE

Provide uninterrupted availability of PNT services

MEET DEMANDS

Meet growing national, homeland, economic security, and civil requirements, and scientific and commercial demands

LEAD MILITARILY

Remain the pre-eminent military space-based PNT service

STAY COMPETITIVE

Continue to provide civil services that exceed or are competitive with foreign civil space-based PNT services and augmentation systems

INTEGRATE GLOBALLY

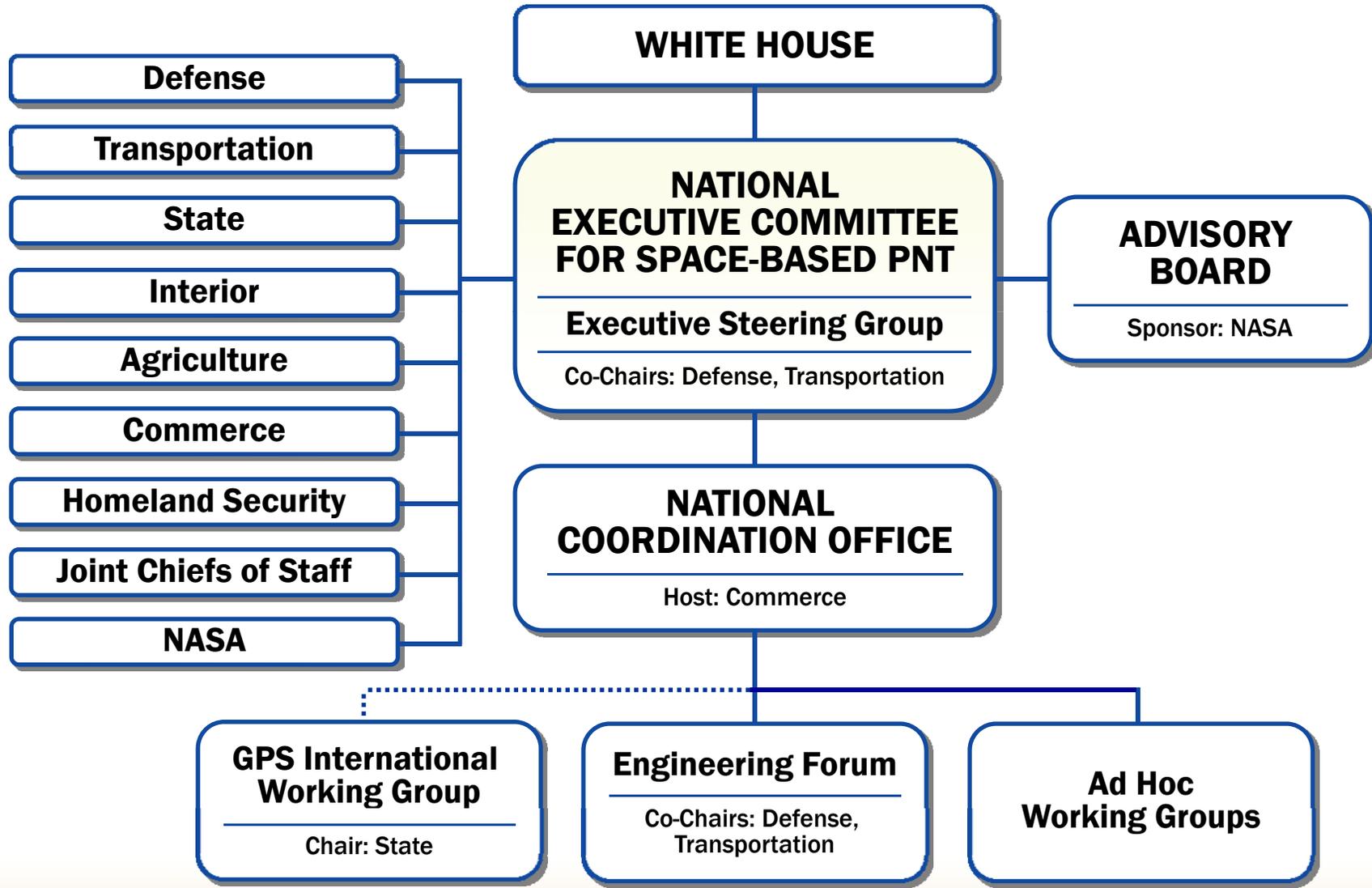
Remain essential components of internationally accepted PNT services

LEAD TECHNICALLY

Promote U.S. technological leadership in applications involving space-based PNT services



U.S. Space-Based PNT Structure





Web-based Information



- ***PNT.gov*** established to distribute information on the U.S. National Executive Committee to include:
 - U.S. Policy, Executive Committee membership, Advisory Board and frequently asked questions
 - Recent announcement on Selective Availability and offer letter to International Civil Aviation Organization
 - All recent public presentations
- ***GPS.gov*** established for public information about GPS applications
 - Available in English, French, Spanish, Arabic and Chinese
 - Brochure also available in hardcopy upon request
 - Contains additional links to various other web sites



GPS is Critical to Our Economy and National Infrastructure



Satellite Operations



Precision Agriculture



Surveying & Mapping



Aviation



Communications



Disease Control



Power Grids



Trucking & Shipping



Oil Exploration



Fishing & Boating



Personal Navigation



The NATION Session

Agenda



Aviation

Captain Rocky Stone
United Airlines

Using GPS at LAPD

Tim Riley
Los Angeles Police Department

Firefighting

Tom Patterson
Environmental Systems Research Inst.

——— **Session Break** ———

Weather Forecasting

Dr. Seth Gutman
National Oceanic & Atmospheric Adm.

Earthquake Monitoring

Dr. Ken Hudnut
United States Geological Survey

Environment

Scott Harmon
Trimble Navigation

——— **Panel Discussion** ———



Closing



- **Continuing to improve GPS and U.S. Augmentations**
 - Civilian agencies are responsible for funding new, civil-unique GPS capabilities
- **Stable, predictable national policy**
 - No direct user fees; open market-driven competition
- **International cooperation is a priority**
 - Compatibility and Interoperability
- **GPS is critical to our national infrastructure and economic security**

GPS Modernization program is enhancing capabilities for tomorrow



The NATION Session



Panel Question and Answer Period



**SPACE-BASED POSITIONING
NAVIGATION & TIMING**

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