



SPACE-BASED POSITIONING
NAVIGATION & TIMING
NATIONAL COORDINATION OFFICE

GPS Policy

CGSIC

International Information Subcommittee (IISC)

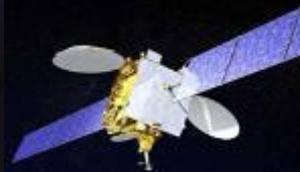
Scott L. Boushell

Senior Advisor, National Coordination Office

November 28, 2011

London, England

GNSS is Essential to Our Economies



Satellite Operations



Surveying & Mapping



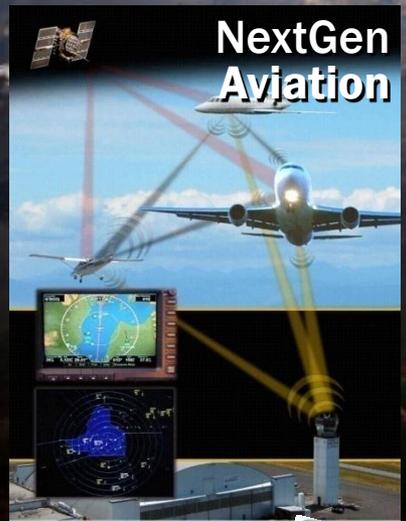
Power Grids



Precision Agriculture



Transit Operations



NextGen Aviation



Trucking & Shipping



Intelligent Vehicles



Telecom



Trucking & Shipping



Personal Navigation



Disease Control



Oil Exploration



Fishing & Boating



U.S. Air Force Receives Award



- The International Astronautical Federation bestowed its 60th Anniversary Award to the U.S. GPS program at a ceremony held October 4, 2011 in Cape Town, South Africa



Awarded for “Benefits to Humanity”



U.S. Policy History

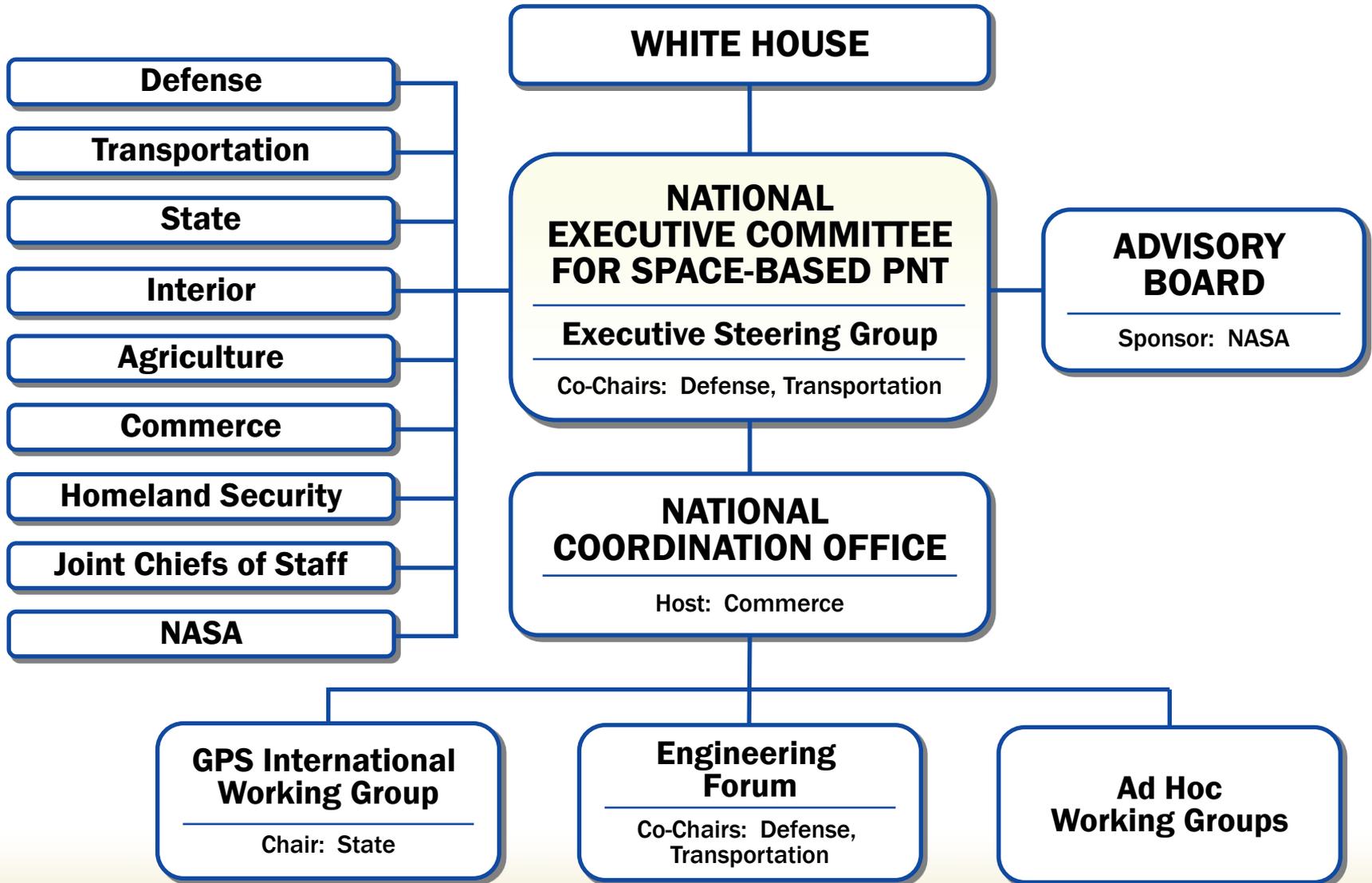


- **1983:** President announces civilian access to GPS
- **1994:** U.S. offers free civil GPS service to International Civil Aviation
- **1996:** First U.S. GPS Policy establishes joint civil/military management
- **1997:** Civil GPS access free of direct user fees codified in U.S. statute
- **2000:** President ends use of *Selective Availability*
- **2004:** President issues U.S. Policy on Space-Based PNT
- **2004:** Agreement signed on GPS-Galileo Cooperation
- **2007:** President announces *Selective Availability* eliminated from future GPS III satellites
- **2010:** New National Space Policy includes specific PNT guidance





U.S. Space-Based PNT Organizational Structure





U.S. National Space Policy



- Provide civil GPS services, free of direct user charges
 - Available on a continuous, worldwide basis
 - Maintain GPS constellation consistent with published performance standards and interface specifications
 - Foreign PNT may be used to augment and strengthen resiliency
- Engage with International GNSS providers
 - Encourage global *compatibility* and *interoperability*
 - Promote *transparency* in civil service provision
- Enable market access to industry
- Support international activities to detect and mitigate harmful interference

Space-Based PNT Guideline: Maintain leadership in the service, provision and use of GNSS



Ratification of U.S.–EU GPS-Galileo Cooperation Agreement



- As a matter of policy, the U.S. and European Commission have considered the U.S.–EU GPS-Galileo Agreement to be in force since its signing in June 2004
- All EU Member States accepted legal provisional application since November 1, 2008
- In November 2010, the U.S. was informed that all EU Member States had deposited entry-into-force notes and the U.S. subsequently sent an entry-into-force diplomatic note to the EU Depository on June 6, 2011
- EU Parliament approved Agreement on October 26, 2011
- EU Council now must adopt a “decision of conclusion” and then deposit its entry-into-force note

**EU Council’s “decision of conclusion” expected
Before the end of 2011**



International Committee on Global Navigation Satellite Systems (ICG)



- Emerged from 3rd UN Conference on the Exploration and Peaceful Uses of Outer Space – July 1999
 - Promote the use of GNSS and its integration into infrastructures, particularly in developing countries
 - Encourage compatibility and interoperability among global and regional systems
- Members include:
 - GNSS Providers (U.S., EU, Russia, China, India, Japan)
 - Other interested Member States of the United Nations
 - International organizations/associations



www.icgsecretariat.org



ICG-6 Outcomes



- **The 6th meeting of the ICG, to include the Providers Forum and four working groups, was hosted by the Government of Japan in Tokyo, September 5-9, 2011**
 - **Development of Multi-GNSS monitoring networks were a major topic of discussion**
 - **ICG endorsement of the IGS Multi-GNSS Experiment**
 - **Subgroup will be formed to collectively investigate international GNSS monitoring and assessment**
 - **Templates describing the geodetic and timing references for all systems have been completed and will be available on the ICG website**
 - **Subgroup to be formed which will focus on GNSS applications**



Summary



- **International cooperation is a priority**
 - *Compatibility, Interoperability, Transparency are critical*
 - *U.S. policy permits use of foreign PNT to augment GPS and increase resiliency*
- **U.S. actively engages in bilateral and multilateral cooperation on satellite navigation issues**
- **GPS continues to meet or exceed our performance commitments to worldwide users**

Policy stability and transparency improve industry confidence and investment



For Additional Information...



Welcome to GPS.gov - Windows Internet Explorer

http://gps.gov/

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GPS.gov

Official U.S. Government information about the Global Positioning System (GPS) and related topics

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For General Public
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For Congress
For Internationals
For Professionals

GPS Receives Award for Benefits to Humanity

The International Astronautical Federation bestowed its 60th Anniversary Award to the U.S. GPS program at a ceremony held October 4 in Cape Town, South Africa.

READ MORE...

Previous Feature Stories

- Map Errors Explained!
- Did You Know? GPS Jamming Is Illegal

FCC Cracks Down on Sales of GPS Jamming Devices

On September 30, 2011, the FCC issued 20 enforcement actions against online retailers in 12 states for illegally marketing more than 200 uniquely-described models of cell phone jammers, GPS jammers, Wi-Fi jammers, and similar signal jamming devices. [LEARN MORE...](#)

Looking for LightSquared Information?

If you are seeking official U.S. government

GPS.gov

National Executive Committee for Space-Based Positioning, Navigation, and Timing - Windows Internet Explorer

http://mendiculus.nos.noaa.gov/

SPACE-BASED POSITIONING NAVIGATION & TIMING

NATIONAL EXECUTIVE COMMITTEE

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The National Executive Committee for Space-Based Positioning, Navigation, and Timing (PNT) is a U.S. Government organization established by Presidential directive to advise and coordinate federal departments and agencies on matters concerning the Global Positioning System (GPS) and related systems.

The National Executive Committee is chaired jointly by the Deputy Secretaries of Defense and Transportation. Its membership includes equivalent-level officials from the Departments of State, the Interior, Agriculture, Commerce, and Homeland Security, as well as the Joint Chiefs of Staff and NASA. Components of the Executive Office of the President participate as observers to the National Executive Committee, and the FCC Chairman participates as a liaison.

A National Coordination Office located in Washington, D.C., provides day-to-day staff support to the National Executive Committee. It consists of an interagency staff headed by Director Michael Shaw. The National Coordination Office is a point of contact for inquiries regarding PNT policy.

An Advisory Board provides independent advice to the National Executive Committee through its sponsor agency, NASA.

Several working groups support the National Executive Committee through staff-level, interagency

What's New at PNT.gov

- Presentations from APEC Meetings
- Presentation from GPS Partnership Council
- Request for Public Comments on Semip Codeless GPS
- Presentations from ENC-GNSS 2008
- Presentations from CGSIC Toulouse

More Releases...

PNT.gov



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