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

RADIO-FREQUENCY INTERFERENCE - CRITICAL INFRASTRUCTURE/PNT RESILIENCE

June, 6, 2016

Robert Crane
Senior Homeland Security Advisor
National Coordination Office


The Ministry of Foreign Affairs of the Czech Republic
Czernin Palace, Prague
GPS Enables a Diverse Array of Applications

- Surveying and Mapping
- Power Grids
- NextGen
- Disease Control Mapping
- Trucking
- Personal Navigation
- Shipping
- Oil Exploration
- Fishing and Boating
- Precision Agriculture
- Intelligent Vehicles
- TeleComm
- Space Applications
- Transit Operations
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 provision
- Operate and maintain the GPS 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 to GPS
National Space-Based PNT Organization

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

Civil GPS Service Interface Committee
Chair: Transportation
Deputy Chair: Coast Guard

GPS International Working Group
Chair: State

Engineering Forum
Co-Chairs: Defense, Transportation

Ad Hoc Working Groups

NATIONAL COORDINATION OFFICE FOR SPACE-BASED POSITIONING, NAVIGATION & TIMING
• GPS Sustainment and Modernization
• International Cooperation
• Spectrum Management
• Critical Infrastructure
• PNT Resilience
• Outreach
Thank You!

Stay in touch with

WWW.GPS.GOV

Contact Information: National Coordination Office for Space-Based PNT
1401 Constitution Ave, NW – Room 2518
Washington, DC  20230
Phone: (202) 482-5809
www.gps.gov

GPS: Continuous improvement, predictable, dependable performance