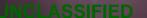




International Association of Institutes of Navigation
World Congress 2015
Prague, Czech Republic

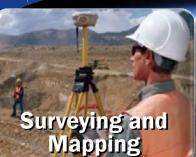
Ray E. Clore
Senior Advisor for GNSS Issues
U.S. Department of State

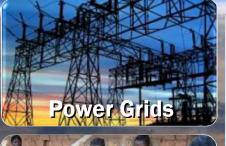
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Applications

















TeleComm

Space Applications













GPS Fact Sheet



- GPS is a constellation of satellites that uses radio frequencies to provide users with precise positioning, navigation, and timing (PNT) services
 - Global coverage, 24 hours a day, all weather conditions
- It's Free to use! No direct fees for GPS services
- GPS cannot track you
- Uninterrupted global navigation service continues to exceed performance standards—GPS keeps getting better

U.S. leads in the service, provision, and use of GNSS

U.S. Policy



The U.S. must maintain its leadership in the service, provision and use of Global Navigation Satellite Systems (GNSS)

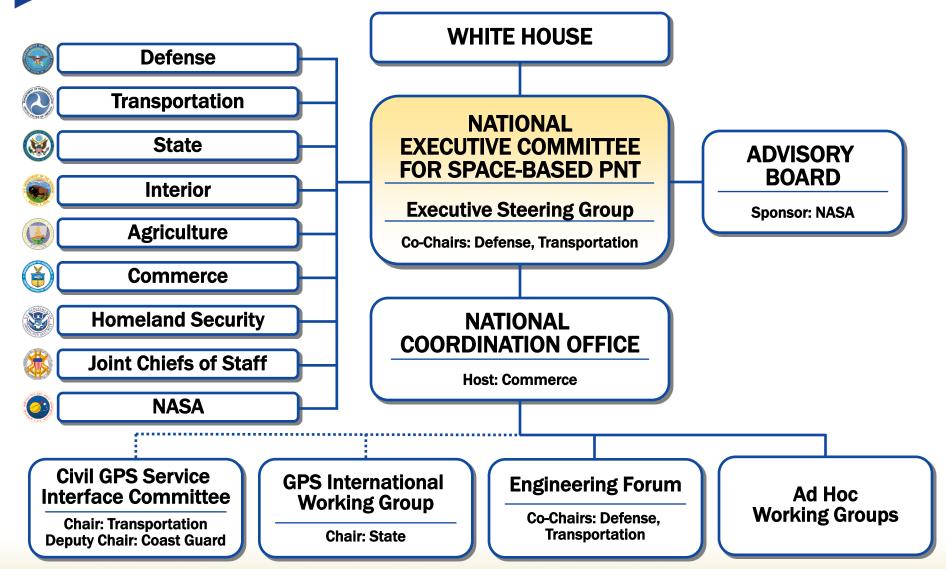
- Continuous, worldwide, free of direct user fees
- Encourage compatibility and interoperability with foreign GNSS services and promote transparency in civil service provisioning
- Operate and maintain constellation to satisfy civil and national security needs
 - Foreign PNT services may be used to augment and strengthen the resiliency of GPS
- Invest in domestic capabilities and support international activities to detect, mitigate and increase resiliency to harmful interference



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National Space-Based PNT Organization



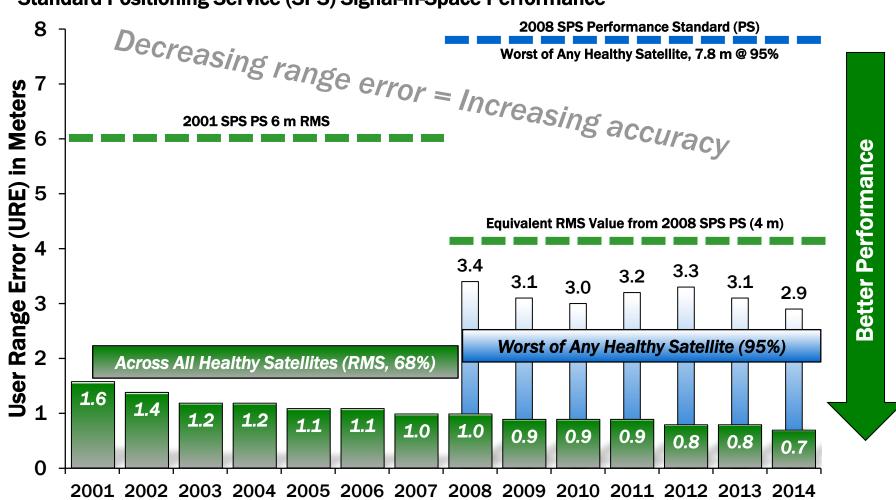


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Accuracy: Civil CommitmentsStandard Positioning Service Performance Standard



Standard Positioning Service (SPS) Signal-in-Space Performance



System accuracy better than published standard



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 manmade 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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