



SPACE-BASED POSITIONING
NAVIGATION & TIMING
NATIONAL COORDINATION OFFICE

Space-Based PNT Executive Committee Activities Update

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Recent Space-Based PNT Executive Committee Activities



- **PNT Critical Infrastructure Resiliency (CIR)**
- **U.K. Patent Issue**
- **Spectrum**



PNT CIR



- **Dependencies & next steps discussed 2010-2012**
 - Cell phone towers
 - Power grid synchronization
 - NextGen
- **Updated Guidance: February 2013**
 - Presidential Policy Directive 21
 - Executive Order 13636
- **Ongoing Interagency effort to address PNT CIR**
 - National Infrastructure Protection Plan Framework



U.K. Patent Issue



- Interagency effort began in early 2012
- January 2013 Joint U.S. and U.K. Statement
 - U.K. commitment to dedicate all patents relating to U.S. GPS civil signal designs to the public domain
 - Joint commitment to free/openly available GPS civil signals
 - Interagency commitment to follow-up actions



Spectrum



- **2010 Presidential Memorandum**
 - 500 MHz broadband initiative
- **LightSquared**
 - FCC proposed to vacate conditional waiver, no final ruling (Feb 12)
 - LSQ's spectrum proposal for band used by NOAA (Sep 12)
 - FCC granted relief on terrestrial build-out requirements (Dec 12)
 - FCC FY14 budget proposal: Repurpose NOAA band for wireless broadband and move radiosondes to another frequency by 2017 (Apr 13)
 - FCC granted LSQ temporary authority through 20 Jul 13 to test base stations in band used by NOAA (Apr 13)
 - LightSquared's deadline to file their own exclusive plan on emerging from bankruptcy: 31 May 13



Spectrum (continued)



- **National Advanced Spectrum & Communications Test Network (NASCTN)**
 - **Facilitate and Coordinate: testing and evaluation of spectrum sharing capabilities**
- **Spectrum protection issues continue for GPS and have National-level attention**