TIME AND MONEY:
WORKSHOP ON TIME SYNC IN FINANCIAL MARKETS

“Increasing Resilience for Positioning,
Navigation and Timing”

Presented by:
Deputy Assistant Secretary: Bob Kolasky

January 25, 2017
Our Economy Depends on Critical Infrastructure. Our Infrastructure Depends on GPS…Especially Timing.
With Dependence Comes Risk

• GPS is vulnerable to disruption
  • Intentional
  • Unintentional

• The loss or corruption of the GPS signal will have impacts beyond the ability to validate financial transactions.

• Lifeline sectors such as Communications, Energy and Emergency Services may also be impacted
Take Steps to Mitigate Risk

• Review, and implement as appropriate, the best practices published by DHS on Jan 5th (see link on last page)

• Assess how you will manage the loss of precision timing and develop contingency plans

• Partner with DHS Science and Technology Office as they conduct test to understand vulnerabilities
  • tests scheduled for April and June

• GPS.gov is the official U.S. Government information about the Global Positioning System (GPS) and related topics
Congressional Interests: Backup to GPS

- Congress is addressing the GPS risk issue through the 2017 National Defense Authorization Act (NDAA) DoD, DoT and DHS required to:
  - Validate PNT requirements and assess alternative capabilities
  - Submit reports to congress by December 23, 2017
- DHS conducting studies, with assistance from Johns Hopkins, to validate precision timing requirements for the Financial Services and Emergency Services Sectors
- The results of these efforts will inform a national level decision regarding a backup to GPS

We need your assistance to ensure we properly identify requirements
Best Practices


For more information, visit:
www.dhs.gov/critical-infrastructure

Mr. James Platt
Director, PNT Program Management Office
James.Platt@hq.dhs.gov