National Risk Management Center

Position Navigation and Timing

December 2018 PNT Advisory Board

December 2018
James Platt, Director, Position Navigation and Timing Office

Homeland Security

Cybersecurity and Infrastructure Agency

Established November 16, 2018

- **Vision -** A safe, secure, and resilient infrastructure where the American way of life can thrive.

- **Mission -** We lead the national effort to protect and enhance the resilience of the nation's physical and cyber infrastructure.

- **Divisions**

  - **Cybersecurity**

  - **Infrastructure Security**

  - **Emergency Communications**

  - ***National Risk Management Center***

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National Risk Management Center

What We Do

- **Protecting *National Critical Functions***

- **Information and Communication Technologies (ICT) Supply Chain Risk Management Task Force**

- **Tri-Sector Executive Working Group Risk Management Activities**

- **Pipeline Cybersecurity**

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National Risk Management Center

The National Risk Management Center will:

- **identify, assess, and prioritize efforts to reduce risks to national critical functions, which enable national and economic security;**

- **collaborate on the development of risk management strategies and approaches to manage risks to national functions; and**

- **coordinate integrated cross-sector risk management activities.**

"PNT is definitely one of the first calls to action out of the kind of analysis that we're doing …- *Bob Kolasky Director NRMC* risk management center

NRMC Concepts for Resilience

Building redundancy or resiliency into critical functions that depend on GPS technology is to assess the extent to which the service is needed and what traditional or legacy systems need to be in place if it fails.

➡️ **Do you need microseconds? Do you need micro areas? Are you happy to know you're in this building or do you need to know more in terms of positioning?**

➡️ **Do you need specific or general redundancies?**

DHS' new center will allow us to scale the discussion to the right parties, and is not operating under the transactional construct of the information sharing efforts - analysis must drive _RISK_ mitigation

Kolasky - "it's a perfect example of we know it's something that's important but let's figure out to what extent, because if I just say it's important, we should invest more, you're wasting money."

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NRMC On-Going Effort

Conformance and Compliance Standards for GPS/GNSS receivers

Partnerships with other federal agencies and the private sector

Best Practices

Assessing timing requirements and developing risk based timing policies

Support to National Civil PNT Policy

Defining PNT requirements for "critical transportation, homeland security, and other critical civil and commercial infrastructure applications within the United States"

Assessing the impacts of emerging and disruptive technologies

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Questions

PNT Program Management Office

December 2018

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