

# The Office of Infrastructure Protection

National Protection and Programs Directorate  
Department of Homeland Security

GPS and Critical Infrastructure

GPS Modernization Luncheon

June 2, 2015

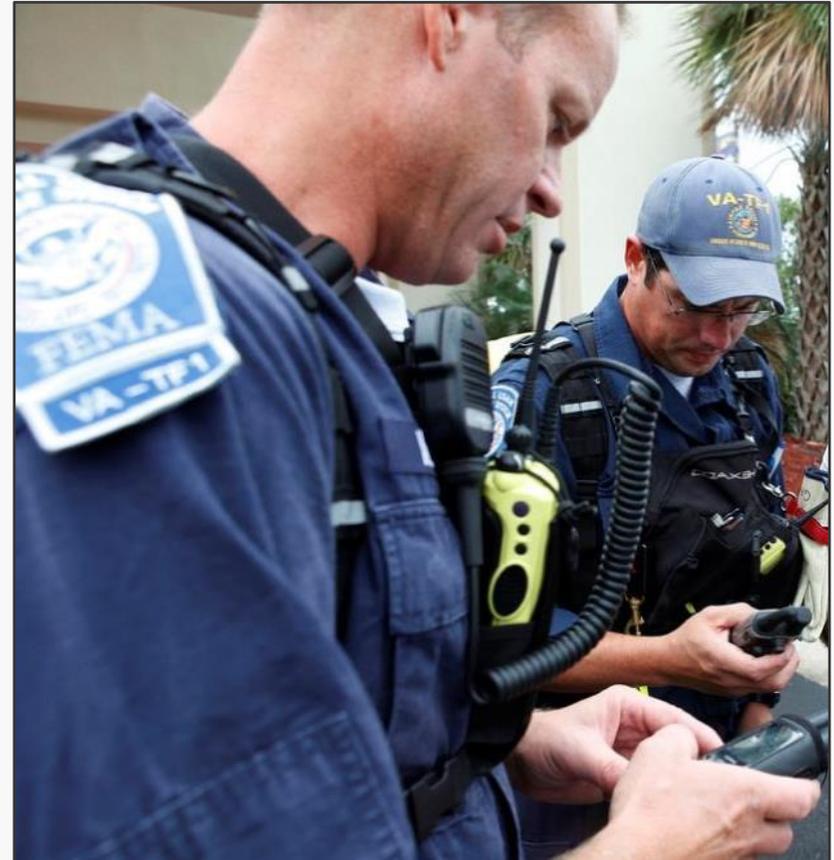


Homeland  
Security

Unclassified

# GPS: A Key DHS Mission Area and Essential to our Success

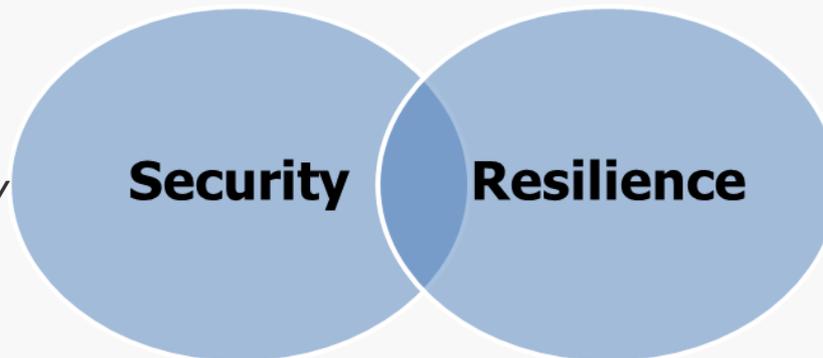
- Front-line workers
- Customs and Border Protection
- United States Coast Guard
- Geospatial Management Office
- Science and Technology
- NPPD:
  - Office of Infrastructure Protection
  - Office of Cybersecurity and Communications
  - Office of Cyber and Infrastructure Analysis



# DHS is The Federal Coordinator for U.S. Critical Infrastructure

- Leads the national effort to mitigate risks to, strengthen the security of, and enhance the all-hazard resilience of critical infrastructure.
- Partners across the critical infrastructure domain, leads related preparedness activities, and serves as an information-sharing conduit between the private sector and public entities.

**Security:** Reducing the risk to physical and cyber critical infrastructure caused by natural and manmade threats.



**Resilience:** The ability to prepare for and adapt to changing conditions, and withstand and recover rapidly from disruptions.

[www.dhs.gov/critical-infrastructure](http://www.dhs.gov/critical-infrastructure)



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# Critical Infrastructure

The Systems, Assets, and Networks that Maintain Our Way of Life

Critical infrastructure is diverse and complex. It includes distributed networks, varied organizational structures and operating models (including multinational ownership), interdependent functions and systems in both physical and cyber space, and governance constructs that involve multi-level authorities, responsibilities, and regulations.



*Critical Infrastructure Defined: "Assets, systems, and networks, whether physical or virtual, so vital to the United States that their incapacitation or destruction would have a debilitating effect on security, national economic security, national public health or safety, or any combination thereof."*



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# Critical Infrastructure Depends on GPS



Power Grid Systems



Banking Operations



Transportation Centers



Communications Systems



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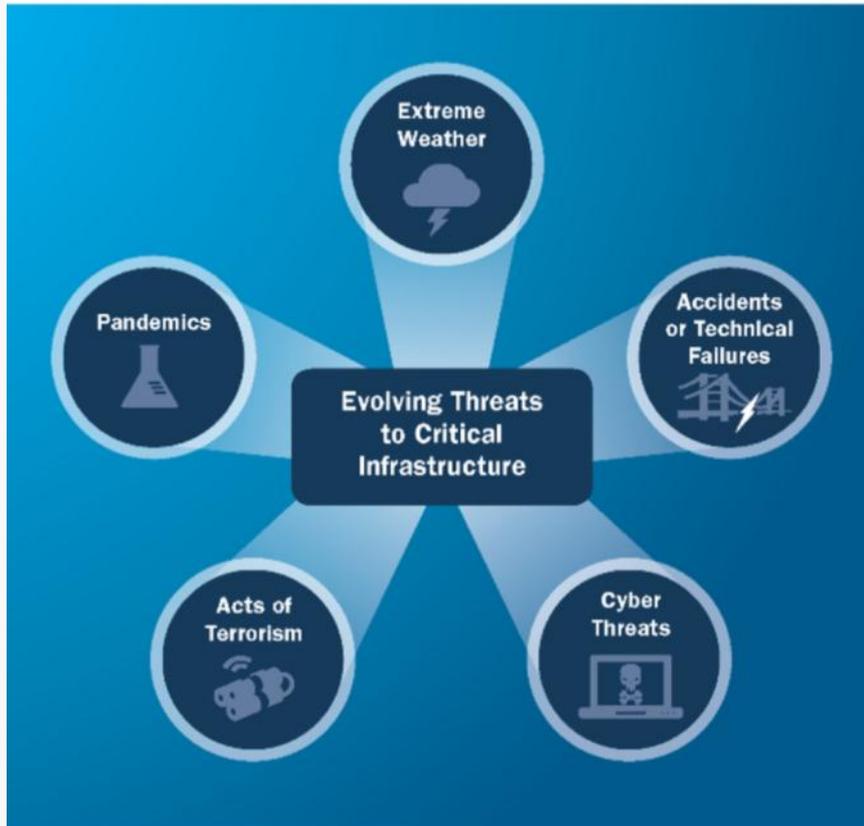
Unclassified

Presenter's Name

June 17, 2003

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# Strategies for Managing PNT Risk



- Employ an integrated approach to address diverse and evolving risks
- Better understanding of vulnerabilities to manage GPS risks
- Educating Partners and Changing Perspectives (e.g., GPS as a computer not a radio)
- Engaging Key Stakeholders
- Explore new technologies





# Homeland Security

For more information, visit:  
[www.dhs.gov/critical-infrastructure](http://www.dhs.gov/critical-infrastructure)

Caitlin Durkovich  
Assistant Secretary