

#### SPACE-BASED POSITIONING NAVIGATION & TIMING

NATIONAL COORDINATION OFFICE





### 11<sup>th</sup> Royal Institute of Navigation GNSS Conference Baška, Croatia

### Critical Infrastructure Resilience

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# The World Depends on Critical Infrastructure, GNSS, and PNT



## **Operationalizing Resilience**

- Foundations of Resilience
- Emerging Technologies and Resiliency
- Policy Matters
- Critical Infrastructure Resiliency & Sector Interdependencies
- Possible Overreliance on GPS
- Contingency Plans



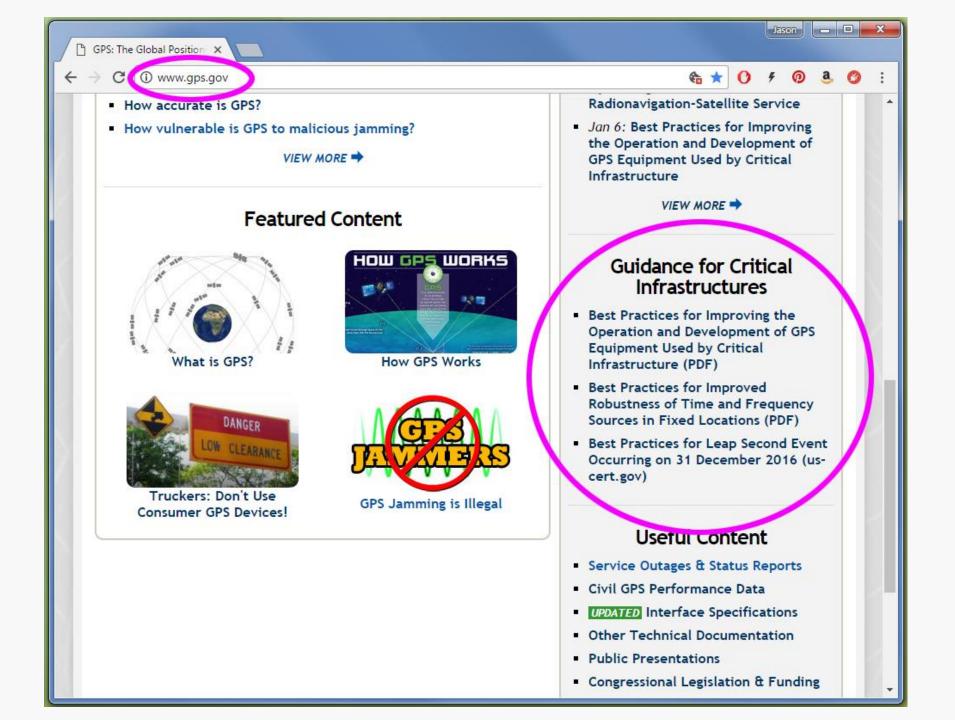


## What Should Resilience Mean to the PNT Community?

- Rapidly recover from any disruptions and restore the essential functions of the economy, society, and government, as quickly as possible.
- Therefore outages/disruptions are significantly mitigated by introduction and adoption of best practices and independent P/N/T sources such that a disruption is by and large a non-event.
- Back-up
- Best Practices







## **Summary**

- Critical Infrastructure, GNSS, and PNT Infrastructure
- Continuously Improve Receivers Found in Critical Infrastructure
- Continuously Improve Timing-Dependent Systems and Networks
- Ensure PNT Definitions and Policies Remain Current and Useful
- Examine Complementary/Back-up Options
- Conclusion







For more information, visit:

www.gps.gov www.dhs.gov/critical-infrastructure

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