

DHS CISA GPS Programs CGSIC

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CISA GPS Program Roles

- EO 13905 Efforts
 - Sector PNT Profiles
 - Contract Language for Federal Departments and Agencies and Improving Resilience of Critical Infrastructure Owners
- DHS S&T-CISA Infrastructure Investments and Jobs Act R&D Funds
- Updating the Interagency GPS Interference Coordination Program
- Conducting an After-Action Assessment and Report of a GPS Interference Event in Denver in January 2022



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Denver Issue(s) – Overview and AAR Brief

- From 21-23 January 2022 an accidental transmission of an emitter caused widespread GPS interference for approximately 33.5 hours in the Denver area.
- The US Government’s interagency CRUCIBLE GPS interference detection and monitoring (IDM) process was effective in coordination, identification, location, and mitigation of the interfering DoD signal.
- GPS signal interruptions had impacts to critical infrastructures, including air traffic control
- Wireline and Cellular Wireless Communications backbone GPS Timing dependent systems, observed the GPS interference in the area, but "all had robust back-up timing sources” – experienced no impact to operations.



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Denver Issue(s) – Overview and AAR Brief

- The federal government is wholly reliant on third party identification, detection and reporting of GPS interference events, based on unpredictable user assessment of operational impacts.
- There is currently no independent automated technology to allow monitoring of GPS interference signals over CONUS by the responsible federal interagency partners.
- NRMCC developed a CISA Insights, *GPS Interference Happens*, that pends Leadership and Legal Counsel review and approval; Estimated publication is October 2022.



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