

U.S. Coast Guard Navigation Center

CGSIC
NAVCEN User Update
21 September 2021



**Lieutenant
Commander
Harold Kiffer**



**Homeland
Security**

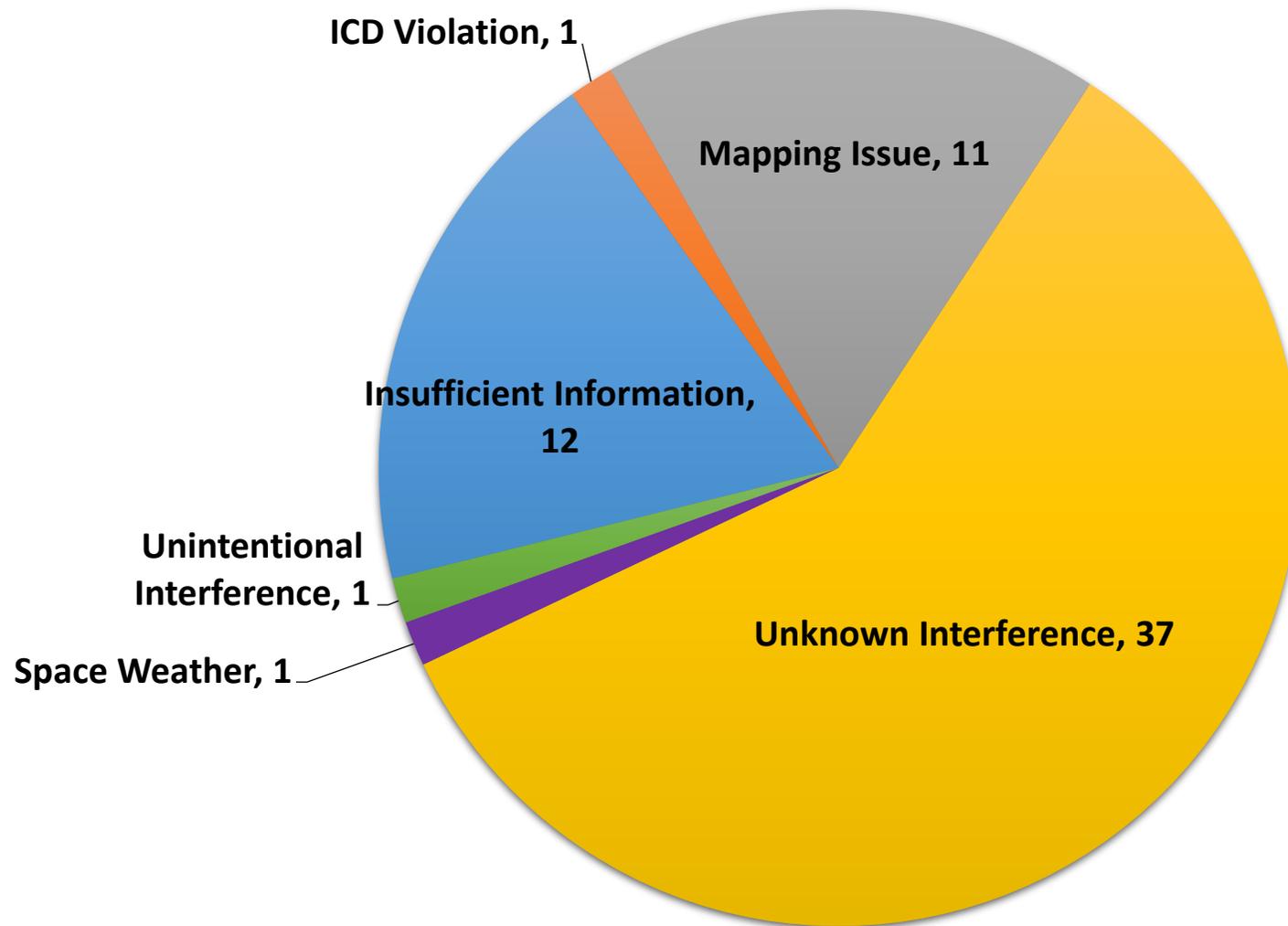
*U.S. Department of
Homeland Security*
**United States
Coast Guard**



Authorized GPS Testing

- Planned, authorized government GPS testing has seen:
 - 32% annual increase since 2015
 - More diverse locations nationwide
 - Extended testing periods
- Continue to coordinate approvals and publicize authorized testing

2021 GPS Problem Reports



OCONUS (40)

Maritime (34)

Land (6)

CONUS (23)

Maritime (3)

Land (20)

Problem Report Status <https://navcen.uscg.gov/?Do=GPSReportStatus>



- GPS**
- Report a GPS Problem
 - GPS Problem Report Status**
 - NANUs, Almanacs, & OPS Advisories
 - GPS Service Interruptions
 - GPS Technical References
 - CGSIC Information
 - Email Message Subscriptions (Free)
 - Space Wx & Precise Ephemeris Data
 - GPS Policy and References
 - More Information on GPS.gov:
 - Civil Navigation Message (CNAV)
 - General GPS Overview
 - GPS Augmentation Systems
 - GPS Mapping Problems
 - GPS Modernization
 - Frequently Asked Questions (FAQ)

- Mission Areas**
- AIS - Are You In Compliance?
 - AIS Data Request
 - AIS - Types, Messages, Etc.
 - Global Positioning System (Civil Support)
 - CGSIC Information
 - Long Range Identification and Tracking
 - Nationwide DGPS
 - LORAN C (archive)

- Maritime Safety**
- Maritime Safety Information Distribution
 - Local Notices to Mariners
 - Light List Volumes
 - Navigation Rules - Amalgamated
 - Maritime Telecommunications
 - PAWSA
 - International Ice Patrol (IIP)
 - Public Notices for Bridges
 - Nav Pubs and Documents
 - Vessel Traffic Services
 - USCG Homeport Website
 - Coast Guard Safety Alerts (uscg.mil)

- Subscribe / Report (free)**
- Subscription Services / RSS (free)

GPS Problem Reports Status

Civil GPS Users are encouraged to submit reports of GPS problems to NAVCEN. A form to submit reports can be found on our [GPS Problem Reporting](#) webpage. Some information from those reports is shared here along with input from interagency partners and the most likely cause of the report.

Descriptions for each of the fields is at the [bottom of the page](#).

* Fields are as provided by the reporting source and are unedited.

*Date/Time of Disruption	Date Submitted	Location	*Type	Description	Cause	NAVCEN Date Closed
08/30/2019 08:23 GMT	08/23/2019	Aarhus, Denmark	Timing	<p>We observe pps (pulse per second)outages on several installations in Denmark, Iceland and Finland. The issue started around the 30 of July. Probably earlier but not that frequent. The number of outages have increased now and become severe. We observe 4 time windows during the day at which outages occur at all installations at most days since 30 of July: 03:04 - 04:06 07:37 - 07:49 18:23 - 18:53 21:08 - 21:30 (all times in UTC) The start time of the outages drifts by about 4 minutes at each day compared to the previous day.</p> <p>NAVCEN: The GPS Operations Center reviewed the GPS Constellation and Control Segment, there are no known anomalies that might affect GPS signal integrity at the time and vicinity of the reported problem. Space weather was reviewed and found unlikely to have impacted GPS performance. There were no authorized GPS tests in the area. No correlating reports from other users or interagency partners.</p> <p>User encouraged to contact their equipment manufacturer for assistance. NAVCEN requested additional information, including any information from their equipment manufacturer but the reporting source has not responded.</p>	User Equipment	
				<p>User: NAL Research is a manufacturer of portable Iridium devices with built-in GPS receivers. Over the last week we have experienced intermittent but regular interruptions of our GPS reception.</p> <p>NAVCEN: The GPS Operations Center</p>		

New ICDs

Public ICWG and Open Forum

September 29, 2021

Meeting Announcement

The Space Force will host the 2021 Public Interface Control Working Group and Open Forum for the following documents:

[IS-GPS-200](#)

[IS-GPS-705](#)

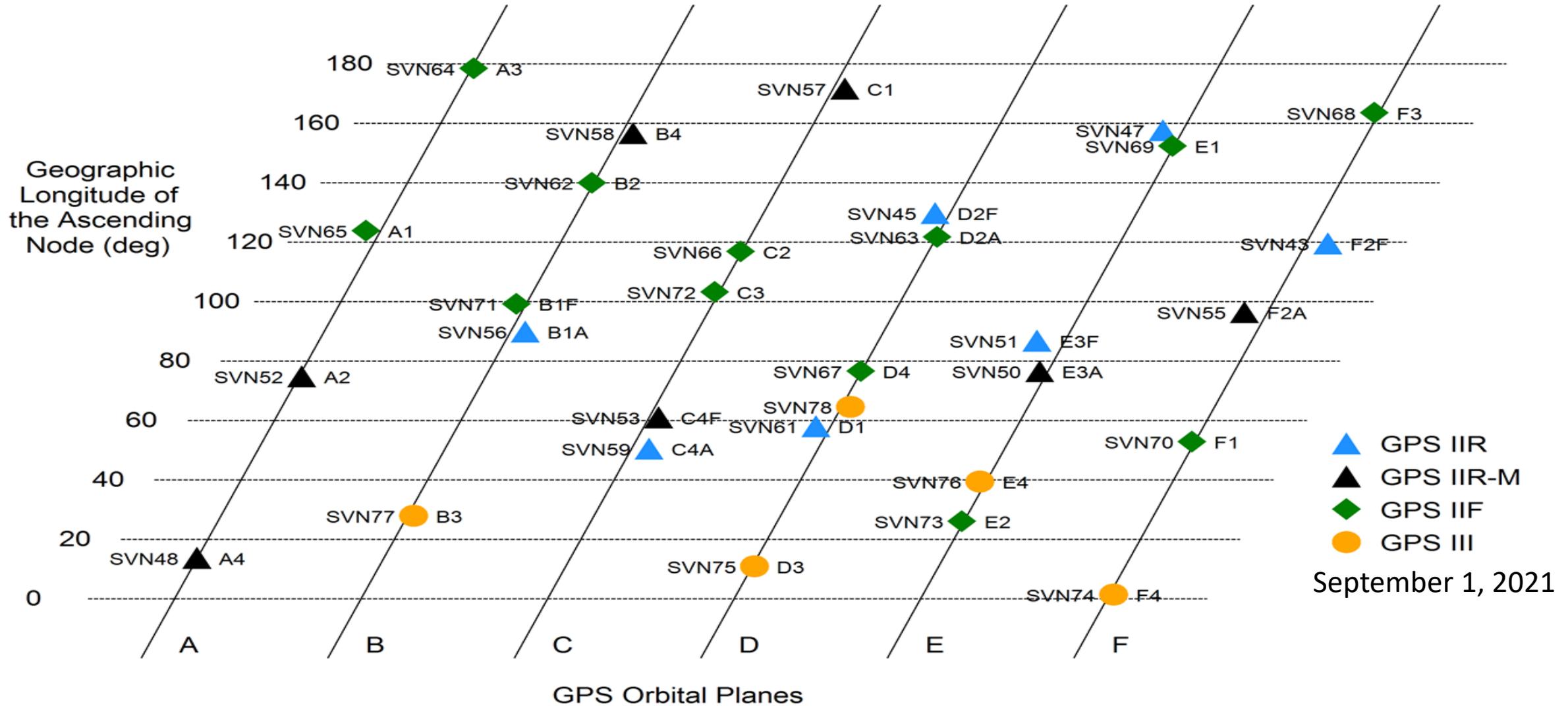
[IS-GPS-800](#)

The purpose of this meeting is to update the public on GPS public document revisions and collect issues/comments for analysis and possible integration into future GPS public document revisions.

[The official public notice in the Federal Register provides further information and instructions for participants.](#) Go to: <https://www.gps.gov/technical/icwg/meetings/2021/>



Slant Chart (GPS Satellite Locations)



NAVCEN Contact Information

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