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
2020 GPS Problem Reports

- Insufficient Information, 14
- User Equipment, 6
- Unknown Interference, 22
  - OCONUS (18)
  - CONUS (4)
- Mapping Issue, 3
- ICD Violation, 2

- OCONUS (20)
  - Maritime (15)
  - Land (5)
- CONUS (27)
  - Maritime (6)
  - Land (21)
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.*

<table>
<thead>
<tr>
<th>Date/Time of Disruption</th>
<th>Date Submitted</th>
<th>Location</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>08/30/2019 08:23 GMT</td>
<td>08/23/2019</td>
<td>Aarhus, Denmark</td>
<td>Timing</td>
<td>We observe pps (pulse per second) outages on several installations in Denmark, Iceland and Finland. The issue started around the 30th 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 30th of July: 03:04 - 04:06 07:37 - 07:49 10:23 - 10:53 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.</td>
</tr>
<tr>
<td>User Equipment</td>
<td></td>
<td></td>
<td></td>
<td>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. 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.</td>
</tr>
</tbody>
</table>

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. |

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The Space Force will host the 2020 Public Interface Control Working Group and Open Forum for the following documents:

- IS-GPS-200
- IS-GPS-705
- IS-GPS-800
- ICD-GPS-240

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/2020/
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