

# Delhi GPS Interference: New Pilot Reporting Procedure

Chris Shieff

19 November, 2025



India's DGCA has issued **new pilot reporting rules** after a week of **GPS interference in the Delhi area**.

In early November, crews approaching VIDP/Delhi saw navigation anomalies including false EGPWS warnings, incorrect position data and altitude errors – **consistent with GPS spoofing**.

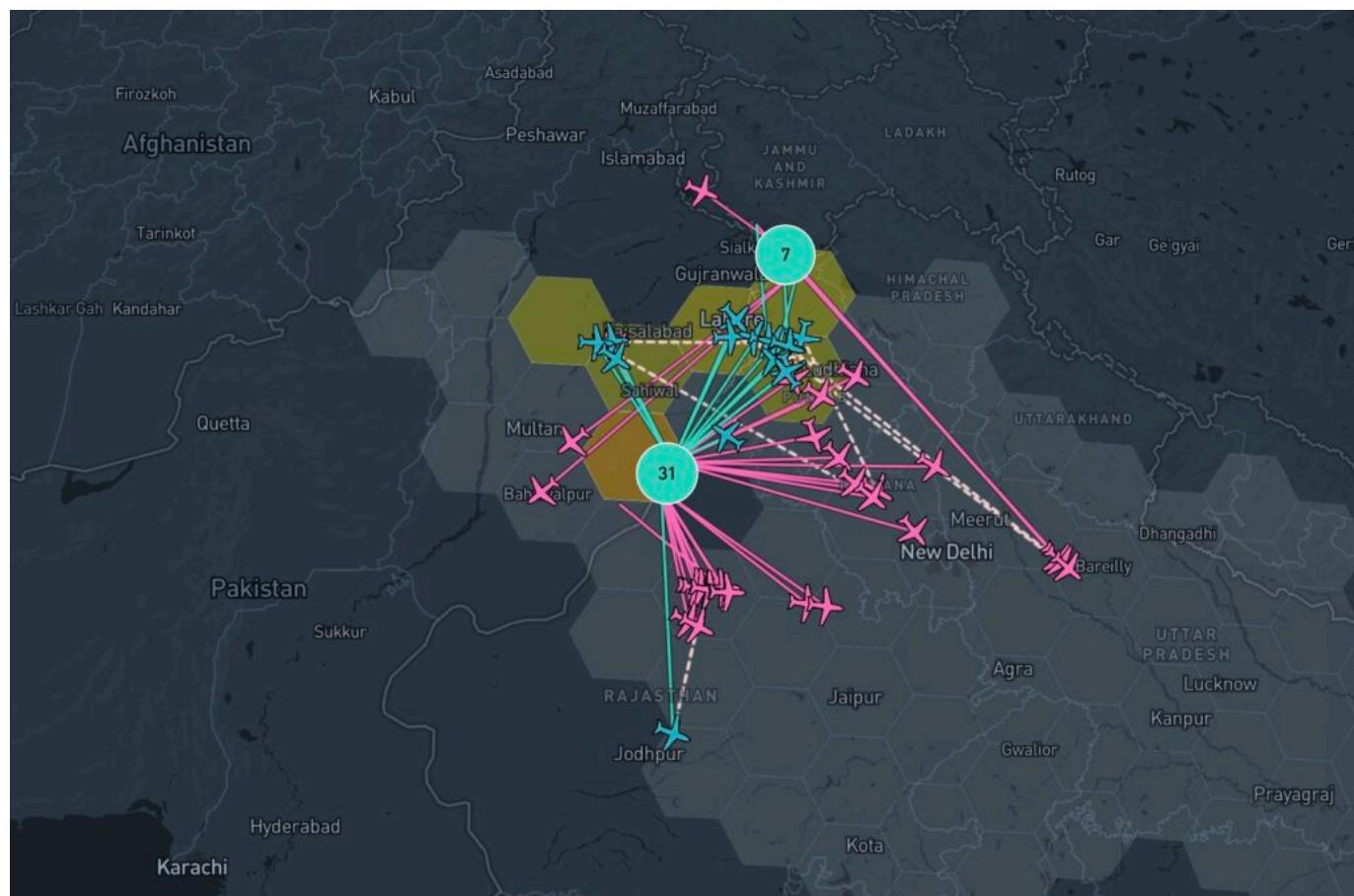


Image the work of GPSwise and SkAI Data Services.

Hundreds of flights were affected. ADS-B integrity in the Delhi TMA briefly dropped to zero, **leaving ATC unable to rely on GPS-based surveillance**.

The timing coincided with the **temporary withdrawal of ILS for runway 10/28**, which increased reliance on RNAV procedures.

## The paperwork trail

DGCA first outlined its GNSS-interference reporting process in a 2023 Advisory Circular.

On 10 Nov 2025, they followed up with a new SOP on GNSS Spoofing – which included the **“report within**

## 10 minutes" requirement.

Crews flagged parts of it as unclear, so on Nov 17, DGCA issued an Addendum to clarify exactly what pilots and operators must do!

### What pilots need to do

#### If interference is detected before top of descent:

1. Tell ATC as soon as possible.
2. Notify your operator's post holder (responsible manager) by any available means.
3. The post holder must then notify DGCA immediately using the form below.

#### If interference is detected after top of descent, or only discovered after landing:

1. Report it to the post holder as part of normal post-flight duties.
2. The post holder must then notify DGCA using the same form.

DGCA emphasises that the goal is timely reporting, not enforcement!

ANSS AC 01 of 2023 24.11.2023	
<b>Appendix 1</b>	
<b>Reporting Format GNSS Interference Occurrence</b>	
<b>Originator of Report</b>	
Report Filed by	<input type="checkbox"/> Aircraft Operator <input type="checkbox"/> Flight Crew <input type="checkbox"/> Air Navigation Service Provider <input type="checkbox"/> Air traffic Controller <input type="checkbox"/> Any other
Date and Time of Report (dd/mm/yyyy) and UTC	
<b>Aircraft Operator Details</b>	
Name	
Email address	
<b>Flight Details</b>	
Call sign of Aircraft (Flight No.)	
Flight Sector	
Airway/ Route of occurrence	
FIR code	
Flight Level or Altitude during event	
Phase of flight	
Aircraft Type	
Aircraft Registration	
<b>ATS Details</b>	
Location of ATS Station (Location identifier)	
Surveillance Systems details	
Affected airspace Details	
<b>Event Details</b>	
Affected GNSS Element	<input type="checkbox"/> GPS <input type="checkbox"/> GLONASS <input type="checkbox"/> GAGAN <input type="checkbox"/> Any other. Pls Specify:
Coordinates of the first point of occurrence / Time (UTC):	UTC: Lat: Long:
Coordinates of the last point of occurrence / Time (UTC):	UTC: Lat: Long:
Duration of Observed Interference/outage:	

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<b>Impact Details</b>	
List of impacted systems:	
Observation of a "time shift" on clock (details of shift and recovery, if any)	
Observation of a "map shift" on navigation display (details of shift and recovery, if any)	
Enhanced ground proximity warning alerts:	
Degraded EPU (Estimated Position Uncertainty)/ Estimated Position Error	
Loss of automatic dependent surveillance (ADS) reporting capabilities (ADS-B out, ADSB-in, ADS-C) (details)	
Loss of GNSS-based landing capability.	
Large position errors (details):	
Loss of Integrity (RAIM warning/alert):	
Complete outage (Both receivers):	
Loss of GPS or Loss of GPS 2	
Loss of satellites in view/details:	
Lateral indicated performance level change	From: To:
Vertical indicated performance level change	From: To:
Indicated Dilution of Precision changed	From: To:
information on PRN of affected satellites (if applicable)	
Low Signal-to-Noise (Density) ratio:	
Degraded PBN capability	
Switching to an alternate navigation mode (such as IRS updating or DME/DME)	
Any other observed impact:	
Automatic GNSS Systems Recovery (y/n)	
<b>Other</b>	
Any other relevant details:	

**Note:** All available details should be provided. Separate sheet may be attached for additional information/pictures, etc, if any.

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Click for PDF.

### What to expect

A reminder that GPSwise (powered by the experts at SkAI Data Services) provides a **real time GPS**

**Spoofing and Jamming map** spanning the globe. You can access it [here](#).

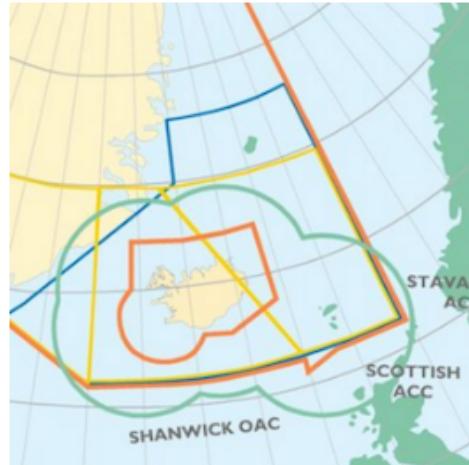
Their current data shows a steady interference patch northwest of Delhi. It isn't constant, but it's there often enough that **crews should expect occasional GNSS issues** when routing through that area and be ready to cross-check and revert to conventional procedures.

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## Midweek Briefing 04MAY: New US CBP Airport, Iceland ATC Strike continues

Cynthia Claros  
19 November, 2025

<b>INTERNATIONAL BULLETIN</b>	<b>ISSUED BY FLIGHT SERVICE BUREAU</b>
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**New US CBP Airport** 04MAY A new US Customs facility opened in KMTH/Marathon on 20APR, to facilitate increased traffic to Cuba. [Read the article](#).

**Iceland ATC Strike continues** 04MAY Icelandic controllers are in a pay dispute with Isavia, leading to multiple strike actions at BIKF/Keflavik and BIRK/Reykjavik. Last week BIKF was closed overnight at short notice. [Read the article](#).

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**EHAM/Amsterdam** and other Dutch airports will observe a two minute silence on ATC frequencies today, 04MAY, from 1800-1803Z. ATC will arrange traffic flow so that no aircraft will land or taxi during this period, meaning likely delays, albeit for a short period.

**SECU/Cuenca, Ecuador** remains closed after an E190 slid off the main runway on 29APR, latest estimate is no reopening before 06MAY.

**CZZZ/Canada** Visa-exempt foreign nationals can enter and exit Canada by air without an Electronic Travel Authorization until 29SEP2016. After that date, these travelers will need to obtain online authorization to

visit.

**BIZZ/Iceland** Multiple ATC Strike actions for BIRK and BIKF are ongoing, check NOTAMS and with handler for latest. [Read article](#).

**TFFR/Guadeloupe** has ongoing main runway closures due to WIP, current shown are 04MAY 0200-1015Z, 17MAY 1000Z- 18MAY 1600Z. Only helicopters will be allowed to operate during these periods.

**UIBB/Bratsk** has a fuel shortage until 31MAY, non-scheduled movements are by PPR only.

**NWWW/Tontouta** has an ATC staff shortage and requires slots for arrival until 31MAY, Tel +687 352437. Work on 11/29 is also ongoing, check NOTAMS for any current outages, which will close the airport.

**EGGX/Shanwick** is trialling transferring westbound flights direct to a HF frequency rather than via an initial VHF frequency, using CPDLC. The default frequencies will be HF 5649 H24, 2872 0000-0900 and 1800-2400, and 8879 0900-2100.

**PAZA/Anchorage** has published new procedures Eff 28APR for User Preferred Routes within the PAZA FIR, refer A0075/16.

**SVZZ/Venezuela** changed timezones on 01MAY to UTC-4. In addition, all public offices, including public ministries, will only operate on Mondays and Tuesdays until further notice.

**TTZP/Piarco FIR** is trialing ADS-C and CPDLC with ident TTZP until 31MAY. Flights entering the FIR east of 57W should log on 15 minutes prior to the boundary with TTZP.

**UHSS/Yuzhno** has advised that B777 aircraft are limited to 310T during the summer period.

**UIAA/Chita** is only available as alternate for one specific airline (Aurora) between 0930-2100Z. Outside these times ops normal.

**WSZZ/Singapore** has introduced a fingerprint clearance system to verify the thumbprints of arriving and departing travelers ages six and above at select immigration checkpoints. The system will be progressively implemented starting at the manned immigration counters of sea and land checkpoints, followed by air checkpoints until full implementation is completed in the months ahead. Travelers should be prepared for slightly longer immigration clearance times at manned checkpoints, especially during the initial implementation stage of the project.

**YZZZ/Australia** Border Force employees have been banned from taking industrial action at airports for three months; the threat of ongoing strike action caused much concern for operations in March.

**RJTT/Haneda** the airport authority has changed the number of slots available for general aviation aircraft. Effective 25APR, slots for GA during the daytime (0600-2259 local) will be increased to 16 total for arrival and departure (from eight in the past). Note that there are no slots restrictions for night time operations (2300-0559 local).

**CYVR/Vancouver** will have one of its main runways 08R/26L closed nightly between the hours of 05-13Z 08MAY-02SEPT for construction. During the day (13-05Z) the runway will have the ILS on 08R/26L out of service, along with no approach lighting on runway 26L.

**SLZZ/Bolivia** Certain medications prescribed for personal use are treated as narcotics in Bolivia, with severe penalties for import or export without a valid prescription from a doctor; make sure you carry a letter from a doctor describing the medical condition and any prescribed drugs and that they are in their original containers and clearly labelled.

**EBBR/Brussels** has partially reopened the departure hall, which has remained closed since 22MAR. 110

Check-in counters will be open in the airport departure hall along with an additional 36 counters that are housed in temporary buildings. The EBBR airport authority expects this will bring the airport up to 80% of capacity.

**EZZZ/Europe** Bulgaria, Turkey and Romania will begin a project to interface their ATC systems so they can handle a significant build-up of airspace traffic in the Black Sea area. New routes are expected by mid 2016.

**LEZZ/Spain** The Spanish F1 Grand Prix is being held from 13MAY-15MAY and will bring heavier than normal traffic to LEBL/Barcelona and LEGE/Girona.

**HEZZ/Egypt** Individual travellers will in the future require a visa before entering Egypt. The exact date of the implementation of this rule is not yet determined. The visa must be applied for from the Egyptian embassy and the consulate generals before departure.

**GVZZ/Cape Verde** Aviation officials issued a statement announcing that national airports are open and operational. The statement was released following reports that flight operations had been suspended at the country's airports.

**ORZZ/Iraq** Iran canceled all flights to Baghdad following a breach of the International Area by protesters on 30APR. The demonstrations have caused problems for pilgrimage flights to Baghdad, and those flights will operate instead to ORNI/Najaf.

**VIDP/Delhi** has opened a new ATC tower (which is the country's tallest at 60 metres). VIDP will also be starting construction on a 4th runway this year and is expected to be completed by 2018 which will increase the airport arrival rate to 105 landings an hour, and will mitigate the common airborne holding.

View the full International Bulletin for 04MAY 2016