

## EGNOS SERVICE NOTICE

Number: 33

Version: 1.0

**To:** All EGNOS Users

**Date:** 08/08/2025

**Subject:** EGNOS Space Segment Update

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This Service Notice informs EGNOS users that EGNOS Space segment configuration will change in August 2025 in the context of the EGNOS System Release 2.4.3 deployment.

**GEO-3 satellite** (Eutelsat 5 West B – PRN 121) **will start broadcasting in OPERATIONAL status**, transitioning from its current TEST state. As a next step, **GEO-2 satellite** (ASTRA 5-B – PRN 123) **will transition to TEST** from its current OPERATIONAL status. This Service Notice provides information about time frames, GEO coverages and impact on the EGNOS services during this GEO swap.

EGNOS Open Service users are advised to tune the best PRN in each of the phases, according to the operational satellites during the GEO swap detailed in the following sections. References to guidelines for equipment configuration are provided in section 3.

The latest information can be found in the EGNOS User Support website, as described in section 2.

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## 1 DESCRIPTION OF THE GEO SWAP PROCESS AND OUTCOMES

### DESCRIPTION

The EGNOS space segment configuration change will consist in the following:

- On **25<sup>th</sup> August 2025**, the GEO satellite **Eutelsat 5 West B – PRN 121** will become part of the EGNOS **Operational** platform broadcasting the Operational Signal-In-Space (OP SIS).
- On **5<sup>th</sup> September 2025**, the GEO satellite **ASTRA 5-B – PRN 123** will become part of the EGNOS **TEST** Platform broadcasting the TEST SIS.

EGNOS GEO Name	PRN Number	Orbital Slot	Status BEFORE 25 <sup>th</sup> August 2025	Status FROM 25 <sup>th</sup> August 2025 To 5 <sup>th</sup> September 2025	Status FROM 5 <sup>th</sup> September 2025 Onwards
ASTRA SES-5 (GEO1)	PRN 136	5 E	Operational	Operational	Operational
ASTRA 5-B (GEO2)	PRN 123	23.5 E	Operational	Operational	Test
Eutelsat 5 West B (GEO3)	PRN 121	5 W	Test	Operational	Operational

Table 1: GEO satellites status during GEO swap period

### IMPACT

From 5<sup>th</sup> September onwards, after completion of the GEO swap, the EGNOS Space Segment will be composed of GEO1 and GEO3 in the operational platform and GEO2 in the test platform.

In this final configuration, the entire SoL APV-I and LPV200 service areas will remain covered by two GEOs (Figure 1). The EGNOS SoL service integrity will remain unaffected at all times and locations within the EGNOS coverage area.

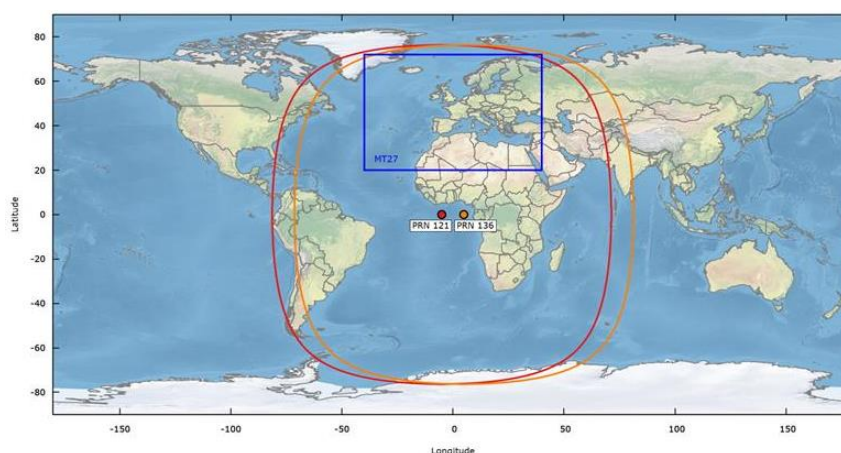


Figure 1: Coverage of EGNOS GEOs with 5° masking angle after EGNOS space segment configuration change

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### 2 EGNOS STATUS AND PERFORMANCES

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Latest information on EGNOS system status and performances can be found at the EGNOS User Support website <https://egnos.gsc-europa.eu>

Users can subscribe to notifications about planned GEO outages and configuration changes and to real-time notifications of unplanned GEO SIS outages and recoveries in the EGNOS User Support website <https://egnos.gsc-europa.eu>

### 3 CONFIGURATION GUIDELINES FOR OPEN SERVICE EQUIPMENT

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Guidance material can be found in the Resources and Tools section of the EGNOS User Support Website: <https://egnos.gsc-europa.eu/resources-tools/guidance-material>

This section contains several documents among others which describe how to configure some EGNOS capable receivers, including examples and detailed pictures.

### 4 CONTACT US

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Should you have any question related to this Service Notice or EGNOS Safety of Life (SoL) service for aviation users and Open Service, please, contact [helpdesk@egnos.gsc-europa.eu](mailto:helpdesk@egnos.gsc-europa.eu) or [+34 911 236 555](tel:+34911236555) (H24/7)

Should you have any question related to EDAS and EGNOS Safety of Life (SoL) assisted service for Maritime users, please, contact [helpdesk@edas-maritime.gsc-europa.eu](mailto:helpdesk@edas-maritime.gsc-europa.eu) or [+34 911 236 555](tel:+34911236555) (H24/7)

For more information about EGNOS Safety of Life (SoL) service for aviation users and Open Service, please, visit the EGNOS User Support website at [egnos.gsc-europa.eu](https://egnos.gsc-europa.eu). For more information about EDAS and EGNOS Safety of Life (SoL) assisted service for Maritime users, please, visit the Maritime Service Provider website at [edas-maritime.gsc-europa.eu](https://edas-maritime.gsc-europa.eu)