



EGNOS SERVICE NOTICE

Number: 015

Version: 2.1

To: All EGNOS Users
Date: 31/08/2018
Subject: EGNOS Space Segment Update

This Service Notice informs EGNOS users that

- On 23rd August 2018, the GEO satellite SES-5 (PRN 136) became part of the EGNOS operational platform broadcasting the operational Signal-In-Space (SIS).
- On 30th August 2018, the GEO satellite INMARSAT 3F2 (PRN120) became part of the EGNOS TEST Platform broadcasting the TEST SIS.

During a period of approximately 7 days and 2 hours, from the entry into the operational platform of SES-5 (PRN 136) on 23rd August 2018 (at 09:45h UTC) until the entry in the TEST platform of INMARSAT 3F2 (PRN 120) on 30th August 2018 (at 11:36h UTC), there were three operational EGNOS GEO satellites.

From 30th August 2018 onwards, the EGNOS satellite mask (broadcast in message Type 1) includes the final EGNOS space segment configuration:

- ASTRA-5B (PRN123)
- SES-5 (PRN136)

Therefore, the EGNOS GEO space segment evolved as follows:

| EGNOS GEO Name | PRN Number | Orbital Slot | Status BEFORE 23 rd August 2018 (09:45h UTC) | Status ON 23 rd August 2018 (09:45h UTC) | Status FROM 30 th August 2018 (11:36h UTC) |
|----------------|------------|--------------|---|---|---|
| INMARSAT 3F2 | PRN 120 | 15.5 W | Operational | Operational | Test |
| ASTRA-5B | PRN 123 | 31.5 E | Operational | Operational | Operational |
| SES-5 | PRN 136 | 5 E | Test | Operational | Operational |

The footprint of each of the two EGNOS GEO satellites (PRN 123 and PRN 136) in the operational platform from 30th August 2018 onwards is the following:

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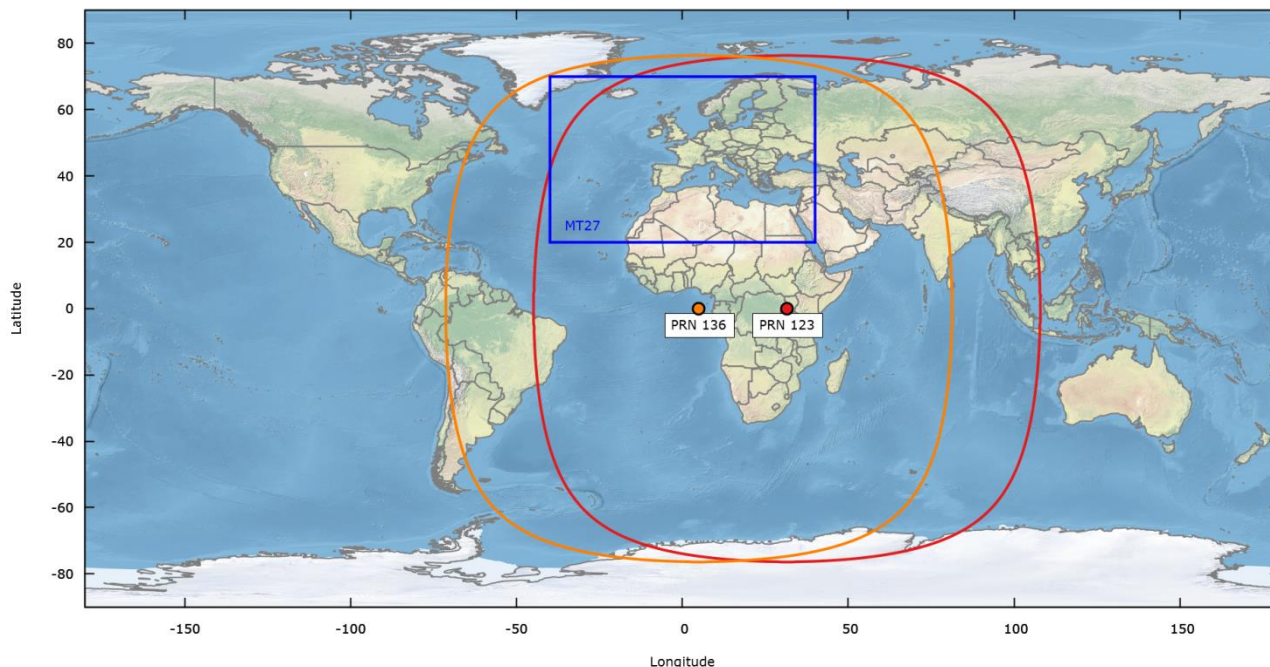


Figure 1: Coverage of EGNOS GEOs with 5° masking angle

It is important to remark that these changes in the EGNOS GEO space segment are performed in a seamless manner without any interruption of the service from an EGNOS user point of view and without compromising at any moment the EGNOS performances. In particular the EGNOS SoL service integrity remained safe at all times and locations within the EGNOS coverage area.

It is recommended that EGNOS OS users equipped with non (E)TSO certified SBAS receivers reassess¹ the equipment configuration in order to ensure that both operational EGNOS GEO satellites (PRN 123 and PRN 136) are used.

¹ In order to do so and depending on the receiver type, users can check the receiver manuals or may need to contact the receiver manufacturer or product/service dealer. In case of doubts or difficulties users can contact the EGNOS Helpdesk (egnos-helpdesk@essp-sas.eu)



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More detailed information on EGNOS system status and performances can be found at the EGNOS User Support website <https://egnos-user-support.essp-sas.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-user-support.essp-sas.eu>)

CONTACT US

Should you have any question related to this Service Notice or EGNOS, please, contact egnos-helpdesk@essp-sas.eu or [+34 911 236 555 \(H24/7\)](tel:+34911236555)

For more information about EGNOS, please, visit the EGNOS User Support website at <https://egnos-user-support.essp-sas.eu>