

EGNOS SERVICE NOTICE

Number: 30

Version: 2.0

To: All EGNOS Users

Date: 14/11/2023

Subject: EGNOS System Release 242B entry into service

Internal ESSP classification:

BLUE

This Service Notice 30 informs EGNOS users of the entry into service of the EGNOS System Release (ESR) **2.4.2B**. The new ESR 2.4.2B Signal in Space (SiS) is being broadcasted by the GEO ASTRA-5B (PRN 123) since the 4th of November 2023 and from the 14th of November 2023 by the GEO ASTRA SES-5 (PRN 136).

The main highlights of the **ESR 2.4.2B** are:

- Improvement of EGNOS performance in the north (both APV-I & LPV-200 service levels), primarily through enhanced ionosphere monitoring.
- The introduction into operations of a new RIMS (Range and Integrity Monitoring Station) in Kuusamo, Finland. The inclusion of this ground station improves the availability, continuity and robustness over the northeast of the EGNOS Service Area. Nominal¹ EGNOS RIMS configuration is shown in the following figure:

¹ Nominal configuration can be temporary modified. Such changes are notified through the corresponding specific Service Notices (e.g. Service Notice 29, in which is notified the temporary removal from operations of the Haifa RIMS site).

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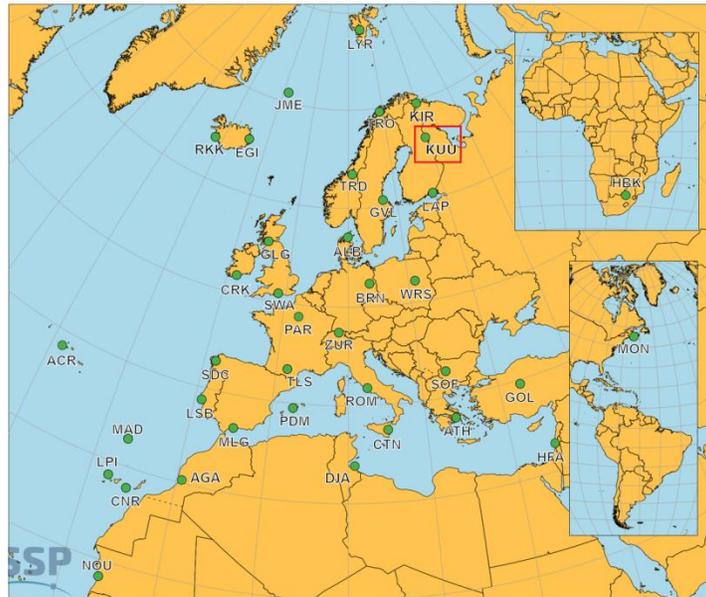


Figure 1 - EGNOS RIMS sites (Kuusamo RIMS highlighted)

It is important to remark that the deployment of this new **ESR 2.4.2B** has been performed in a seamless manner without any interruption of the service from an EGNOS user point of view and without compromising EGNOS performance at any moment. In particular, the EGNOS SoL service integrity remained safe at all times and locations within the EGNOS coverage area.

The new service commitment areas supported by **ESR 2.4.2B** will be published in the corresponding Service Definition Documents in 2024.

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1 EGNOS STATUS AND PERFORMANCES

Latest 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>).

2 CONFIGURATION GUIDELINES FOR OPEN SERVICE EQUIPMENT

Guidance material can be found in the Resources and Tools section of the EGNOS User Support Website: <https://egnos-user-support.essp-sas.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.

3 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](tel:+34911236555) (H24/7)

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