



Dear EGNOS users,

Welcome to the first issue of the EGNOS Bulletin!!

This EGNOS Bulletin intends to summarize the latest news regarding the EGNOS system, its services and applications. Its intention is to offer the users and EGNOS stakeholders updated information on what is going on within the EGNOS world.

We hope you find this Bulletin useful and expect your comments and suggestions at:
communication@essp-sas.eu

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EGNOS is there, use it!

EGNOS Implementation in Aviation



As defined by the EC Single European Sky (SES) regulation, EGNOS Working Agreements (EWA) between ESSP and European ANSPs are required before the implementation of any EGNOS-based operation by the ANSPs. Nowadays, the French **DGAC** (French Civil Aviation Authority) and the Swiss Air Navigation Service Provider **skyguide** have already signed this EWA agreement, and in consequence, have published the first EGNOS-based procedures in their respective airports: Pau, Clermont-Ferrand and Le Bourget in France, and Les Eplatures and St. Gallen-Altenrhein in Switzerland.

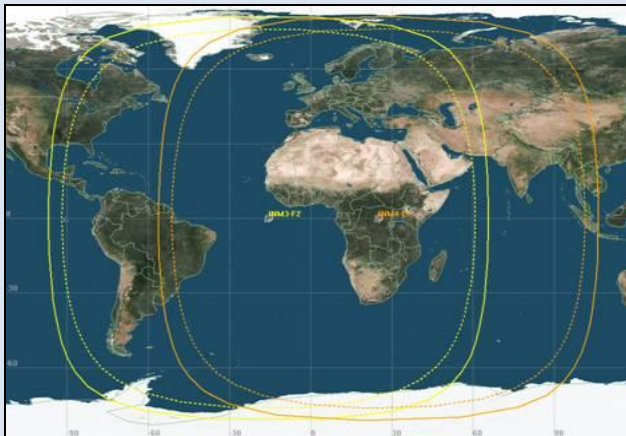
EWA discussions are actually under finalization with Guernsey Airport (Guernsey State) in the Channel Islands, with the aim to have an EGNOS procedure in force before the end of the year.

EGNOS System

A new EGNOS System Releases (ESR) is expected for March 2012, the **ESR 2.3.1+**. Among its improvements it will have 3 new reference Monitoring Stations (RIMS) in La Palma, Athens and Alexandria; operability and performance enhancements, some obsolescence issues problem-solving, plus the removal of the MT9-MT17 issues described in the Service Notice# 1.

→ EGNOS GEO ROADMAP

After EGNOS release v2.3.1+ is deployed, ARTEMIS satellite will be replaced by INMARSAT satellite 4F2 offering better stability from a user point of view within the same coverage area. After this activity, the two operational GEOs will therefore be INMARSAT 3F2 (PRN120) and INMARSAT 4F2 (PRN126). The current footprint of those satellites is presented below:



EGNOS APV-1 Availability



Legend:
Current Release
Release 231 +

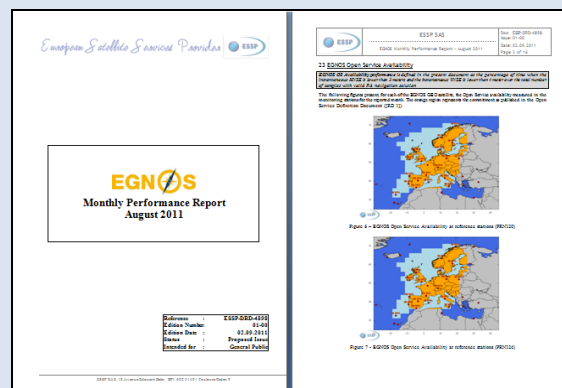
→ EGNOS V3

A feasibility study (Phase A) for a major upgrade of the EGNOS system (EGNOS V3) was launched in January 2011. Two consortia have been awarded with this study: one is led by Thales Alenia Space France, and is gathering 7 companies; the other is led by Astrium Germany, gathering 11 companies. The next key milestone of the study is the Preliminary Requirement Review (PRR), which will end the Phase A, first quarter of 2012.

EGNOS User Support Service

ESSP is publishing an “EGNOS Monthly Performance Report” to inform users on EGNOS status and performance since July 2011.

As well, an EGNOS SoL Service User feedback Questionnaire was launched last June as a part of a User Consultation Process and it is being distributed among EGNOS stakeholders in order to elaborate a complete EGNOS performance satisfaction survey. Your feed-back is a key input to improve EGNOS services and ESSP Support!



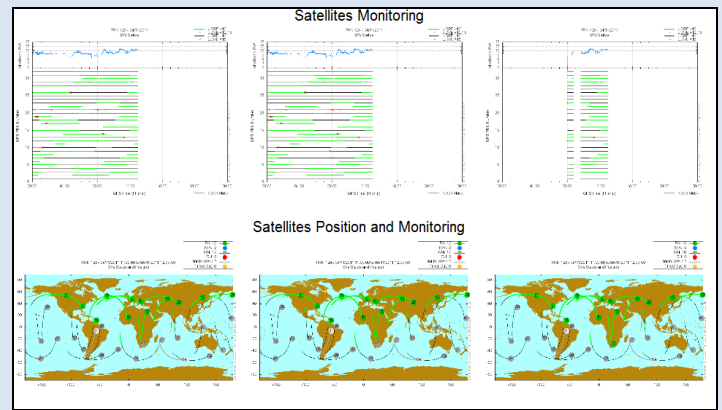
Both documents are available at: <http://www.essp-sas.eu>

→ EGNOS REAL TIME MODULE

An EGNOS Performance Real Time Monitoring Module has been implemented at ESSP User Support website, allowing users to have the information on quasi-real time.

<http://egnos-user-support.essp-sas.eu>

Check this new module when registering for the User support website!



EGNOS projects in Aviation



The **SHERPA** project (Support ad-Hoc to Eastern Region with Pre-operational Actions on GNSS) is aiming at supporting Eastern European countries to understand the pre-operational actions to be undertaken by their relevant stakeholders (ANSPs, regulators and airlines) in support to the EGNOS adoption (LPVs) and at implementing EGNOS (LPVs) into the States PBN strategy.

The project should start in January 2012 for a total duration of 18 months.



The **ACCEPTA** project (ACCceleration of the EGNOS adopTion in the Aviation sector) has been formed to find partners to support and promote the development and publication of EGNOS LPV approach procedures in different airports over Europe, as well as co-funding aircraft equipage.

The final call was closed on October 2011 and the activities, if finally granted in by the GSA, will start in January 2012 under the coordination of INECO.

<http://accepta.ineco.es>

EGNOS Data Access Service - EDAS

EDAS, the EGNOS Data Access Service, can support a wide range of applications in different domains where the correction and integrity messages need to be received by alternative means to the GEO satellites or where data from RIMS stations is used.

Types of application can range from Location-Based Services (LBS) or other terrestrial applications to ionosphere monitoring or computation of local corrections using RIMS data. Any Added Value Service Provider (AVSP) can develop applications on top of EDAS to provide other kind of services to final users.

In April 2010, EDAS system ownership was transferred to the EC and the EDAS Service Provision was started under ESSP responsibility. Since that date, the number of EDAS users has increased a 100%. Currently the EC is defining the potential enhancements of EDAS in terms of system robustness and service improvements. Any registration or information request must be addressed to the ESSP EGNOS helpdesk:

egnos-helpdesk@essp-sas.eu

EGNOS recent and up-coming events



Hanover, 13-18 November

The GSA/ ESSP will be there to promote the use of EGNOS for high precision Agriculture



London, 29 November-1 December

GNSS stand supported by the European Commission

More info on EGNOS

<http://egnos-portal.gsa.europa.eu/>

<http://www.essp-sas.eu/>

For questions & information:
EGNOS Helpdesk

egnos-helpdesk@essp-sas.eu



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Dassault 900LX EGNOS-enabled landing at Pau Airport

Disclaimer: EGNOS is a complex technical system and the users have certain obligations to exercise due care in using the EGNOS services. Before any use of the EGNOS services, all users should review the EGNOS SoL Service Definition Document ("SDD") and/or EGNOS Open Service SDD (both available on the ESSP SAS website <http://www.essp-sas.eu/>) in order to understand if and how they can use these EGNOS services, as well as to familiarise themselves with their respective performance level and other aspects the services may offer. Use of an EGNOS service implies acceptance of its corresponding SDD specific terms and conditions of use, including liability.

In case of doubt the users and other parties should contact the ESSP SAS helpdesk at egnos-helpdesk@essp-sas.eu. Aviation Users may also contact their National Supervisory Authority.

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