



Word from the Chair of the Board

Welcome to this Spring edition of the EGNOS Bulletin. It is good to see increasing aviation interest in EGNOS and more procedures being published. ATC Global is the key ATM event in 2012 and it was good to see ESSP's stand so well visited.

ESSP is committed to providing a highest quality customer service. With this in mind, this edition reports some system upgrades designed to improve further service performance, particularly in the South West of Europe. I'm also pleased to report that ESSP has been granted ISO 9001 reflecting the quality of the management systems.

ESSP is not standing still. We continue to strive to deliver an even better service, working closely with users, the European Commission and the European Space Agency.

Anne Lambert / NATS
ESSP Chair of the Board

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EGNOS IS THERE, USE IT!

Status of the EGNOS implementation in aviation

EGNOS LPV procedures already published in Europe

Country	Airports	LPV Procedures	APV baro Procedures (EGNOS enabled)
France *	8	11	0
Switzerland	2	2	0
Guernsey	1	2	0
Germany	38	0	81
Total	49	15	81

*new LPV procedures published in Biarritz and Bordeaux as of March 2012.
Toulouse-Blagnac, Brest Bretagne and Carcassonne in May 2012.



LPV implementation map (current and forecast). May 2012

EGNOS System & Service news

→ ESR 2.3.1.p deployment

During the month of February and March 2012, the EGNOS System Release 2.3.1p has been deployed. This version includes the following main features:

- ☞ EGNOS GEO **MT9** and **MT17** coherent fixed content (Service Notice#1*)
- ☞ Deployment of 3 new **RIMS** (Ranging and Integrity Monitoring Station) in La Palma (Spain); Athens (Greece) and Alexandria (Egypt). The inclusion of these ground stations shall improve the APV-I performance over the Southwest and Southeast EGNOS Service area.
- ☞ Improvement of Ionosphere monitoring, especially of those located at the ECAC border providing an enhanced of APV-I performances.

→ EGNOS Geostationary Satellites Swap

By the end of March 2012, INMARSAT satellite 4F2 (PRN 126) has been integrated to the EGNOS Operational platform in replacement of ARTEMIS satellite (PRN 124) that will then be used for EGNOS Test platform.

Geostationary Satellite Name	PRN	Orbital Location	Status
INMARSAT-3F2 AOR-E	120	15.5° W	Operational
INMARSAT-4F2 IND-W	126	25.0°E	Operational
ARTEMIS	124	21.5° E	Test

Situation April 2012

→ GPS Block IIF PRN1 & PRN25 integration

Two additional GPS satellites are being used by EGNOS, increasing the number of satellites available for LPV SBAS-based operations.

→ **APV-1 Service degradations in the South-west of Europe due to high solar activity**

These degradations are present mainly when the ionosphere activity is high, such as in the spring equinox.

In the short-term, a new EGNOS system release will be deployed, more robust to ionosphere disturbances. It is expected that this new release will be deployed by mid 2012.

In between, an Operational Work Around has been implemented to mitigate the impact of the ionosphere degradations in the South. Further details can be found in the EGNOS Service Notice#2*.

*ESSP periodically publishes EGNOS Service Notices: Service Notices not only refer to system issues but in general to any system/service issue or change deviating from the nominal services conditions described in the published SDDs.

You can consult these Service Notices at: www.essp-sas.eu/service_notices

EGNOS projects in aviation



After the tendering process with more than 25 proposals involving more than 60 companies from 13 different European countries, the ACCEPTA Kick-Off Meeting for Phase 2 activities together with the corresponding Project Progress meeting of Phase 1 took place in Madrid past March 22nd.

The ESSP as leader and coordinator of one of the granted proposals for ACCEPTA Phase 2 attended the Kick Off meeting and presented an overview of the EGNOS current status and the activities to be carried out by the partners that form this proposal: The ANSP of Austria, Finland, Portugal, Czech Republic and Slovak Republic. A total number of 14

LPV procedures in 8 different airports will be published in these five countries within ACCEPTA in order to promote and support the EGNOS adoption in the European aviation sector.



ACCEPTA KO meeting in Madrid



The SHERPA project Kick-Off meeting took place last March 28th in Brussels.

The SHERPA consortium is led by ESSP and formed by other eight companies: PILDO Labs, the Silesian University of Technology and the ANSPs of Bulgaria, Turkey, Poland, Greece and Estonia.

The main goal of this project is to provide during 18 months elements to the participant States in mapping the implementation of EGNOS into their national PBN strategy in a coordinated manner with their national Regulatory Authorities.

EDAS Service Evolution (EDAS v2)

Last March 28th the EDAS v2 Kick-Off meeting took place in Brussels and the European Commission acknowledged it as successful, meaning this that the EDAS enhancement (EDAS v2) activities have green light to start.

EDAS v2 will be available in the last quarter of 2012. The new features that will be provided to EDAS v2 users range from new data contents and formats, up to system connectivity optimization issues, including more user-friendly interfaces and improved helpdesk services.

Although the EDAS Service is provided by ESSP since 2010, the EC is planning an official Declaration of the EDAS Service for mid 2012. The Declaration will be accompanied by the corresponding EDAS SDD (Service Definition Document).

ESSP granted with ISO 9001

On the 20th of March 2012, ESSP was granted the ISO 9001:2008 certificate for all their activities and provided services.

This is recognition of the quality and maturity of the Management System that was set-up in this young company and shows the commitment to continuous improvement.

ESSP is very proud of this recognition and wish to share it with all contributors, customer and users. It is also to be noted that no non-compliance was identified during the certification process.



EGNOS and GNSS recent and up-coming events



Amsterdam, 6-8 March

ESSP held a Stand in this important ATM event to promote the use of EGNOS Sol Service in the Aviation world. Many visitors were interested in implementation guidelines for the use of EGNOS in their respective airports. A map with the forecast implementation plans for 2012-13 served as focal attraction for discussion with potential users.



European Airports with EGNOS based-procedures (current and forecast ones)

Three ANSPs (skyguide, DFS and NATS) were awarded for being pioneers in the implantation of EGNOS-based procedures in Airports in their respective countries.



Other Events with EGNOS presence:

Galileo Application Conference → Prague, 26-27 January. Representatives from the EC, ESA and the GSA discussed their future roles in Galileo and EGNOS, as high representatives of the Czech Republic and the European GNSS Agency signed an accord that will see the GSA moved to Prague.

World Business Airport Conference → Cannes, 22-23 February. Promoting EGNOS services for small/business Airports.

Munich Satellite Summit → 13-15 March. An overview of global GNSS systems with special feature in Chinese COMPASS. The ESSP actively participated in session n. 9 "EGNOS for Land Applications".

Nereus Workshop for EGNOS and GALILEO Maritime Applications → Venice, 16-17 April. An important forum to assess the needs of the GNSS user community for intermodal applications (in this particular one for maritime applications).

European Navigation Conference → Gdansk, 25-27 April. A more technical meeting but also focused in developing applications.

Disturbances and GNSS Seminar → Stockholm, 8 May. ESSP made a presentation focused on "EGNOS status at Northern latitudes".

EBACE → Geneva, 14-15 May. An event jointly hosted each year by the European Business Aviation Association (EBAA) and the National Business Aviation Association (NBAA) from the United States. The GSA held a stand to approach this Aviation market.



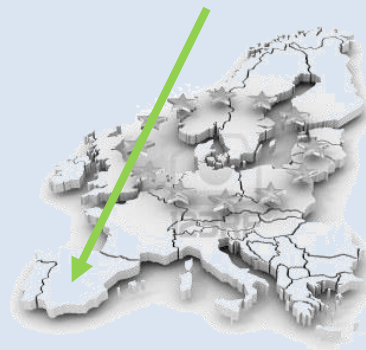
©NEREUS website "EGNOS/GALILEO for marine and maritime applications Workshop"

And save the date for the

EGNOS Service Provision Event 2012



In Madrid, June 14-15



The **EGNOS Service Provision Workshop 2012** will take place at the outstanding new Terminal 4 of Barajas Airport. This Yearly Workshop will be followed by a special session chaired by the GSA and EASA plenty dedicated to **"Using EGNOS for IFR"**

Updated information regarding this joint event will be posted at

www.essp-sas.eu

More info on EGNOS

www.essp-sas.eu

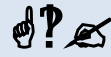
EGNOS Service Provider Website. Info on the EGNOS system, news on the service. Status on EGNOS implementation in Aviation. Projects. Events. Others.

egnos-user-support.essp-sas.eu

Information on past and current EGNOS performances. Signal in Space (SIS) status. Forecast on SIS availability.

egnos-portal.gsa.europa.eu

EGNOS applications. Developers platform. Business support.



For questions & information:
EGNOS Helpdesk

egnos-helpdesk@essp-sas.eu

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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