

E-NEWS n°3 - February 2011

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Disclaimer

This E-News is published by the ESESA project whose aim is to support European and South African authorities to implement EGNOS Services in Southern Africa (SADC).

ESESA is a Collaborative Project co-funded by the European GNSS Supervisory Authority under the 7th Framework Programme and the Government of South Africa.

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“EGNOS Safety-of-Life Service Introduction scheduled for 2nd March 2011 is now more than imminent”

“Towards EGNOS Safety-of-Life (SoL) declaration

Since end November 2010, the EGNOS programme entered its last preparatory phase before the Safety-of-Life declaration. During this so-called "EGNOS SoL Transition Phase", a number of functional tests were successfully conducted on the EGNOS System, concluding that EGNOS can now enter into a nominal phase with a stable signal.



Since December 2010, the EGNOS signal does not broadcast any more the so-called "Message Type 0", which was previously limiting EGNOS utilisation to Open Service (OS) users only. The EGNOS Signal in Space is now therefore identical to the one that will be broadcast once the EGNOS SoL is declared available to the users.

Currently and for the next coming weeks, the last step before SoL Declaration, called "SoL Observation period", is ongoing. During this period, feedback from the aviation community is expected on the use of EGNOS.

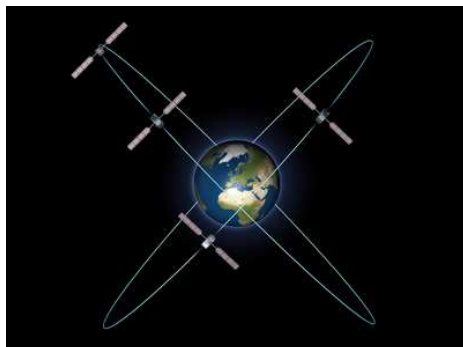
EGNOS SoL declaration

The European Commission, as owner of the EGNOS system, and the European Satellite Services Provider (ESSP), the certified EGNOS Service Provider, plan to declare the EGNOS Safety-Of-Life Service available on **2 March 2011** subject to the final authorization from the French National Supervisory Authority (NSA).



This SoL Declaration will consist in a number of public announcements to all EGNOS stakeholders and to the public at large. In addition, the **EGNOS Safety-Of-Life Service Definition Document (SDD)** will be

released at the same time. It describes the EGNOS SoL Service, its expected performance, and is intended to support the use of EGNOS in SoL applications.



After the SoL Declaration, Air Navigation Service Providers in the EGNOS service area may proceed with the publication of precision approach procedures based on EGNOS, once they have established working agreements with ESSP in compliance with relevant Single European Sky regulations “

From ESSP web site for more information go to :

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

(Images courtesy of ESA, EC and ESSP)





“How will Satellite Based Augmentation of the GPS signal benefit the maritime, logistics and agricultural sector in Africa?”

**ESESA 2nd workshop
2-3rd March 2011 (Cape Town)**

***A workshop on user needs
and the technical and institutional challenges***

FDC, NDConsult, Ecorys and the CSIR Satellite Applications Centre take pleasure in inviting you to a workshop on determining the needs and unpacking the technical and institutional challenges for the maritime, logistics and agricultural sectors with regards to satellite based augmentation of the GPS and other satellite based navigation signals.

The invitation is made possible through the funding of ESESA, a European Union Framework Programme 7 project.

Background

The EGNOS Service Extension to South Africa (ESES) project, co-funded by the EU 7th FP and the South African Department of Science and Technology, proposes to progress SBAS implementation in South Africa by engaging all the beneficiary communities in South Africa and by encouraging the novel idea of combined investment in an EGNOS system for South Africa and SADC countries. The adopted stepwise approach for the implementation of the EGNOS infrastructure seeks for early benefits for all users.

The ESES project aims to explore regional extension models for [EGNOS](#). In particular, it aims at paving the way for the EGNOS implementation phase in southern Africa and SADC by addressing institutional and financial aspects and operational and certification matters, and by developing stakeholders' interest through awareness actions

Civil aviation is recognised as the primary beneficiary of the deployment of SBAS in Southern Africa, but it should be realised that the region is ready to use the system in many spheres of society and industry.

Objectives

This event is not only intended to raise awareness but also to validate with local actors the outcomes of the project as many players in the location based services domain are ready to embrace EGNOS in the region and would like to be kept abreast of developments

More background regarding the project and the technologies involved can be found at www.esesa.org

The workshop is aimed at the envisaged users of accurate satellite navigation information.



Programme of Day 1 – 2nd March 2011

Opening

9:30 – 10:00	Coffee and Registration	
10:00 – 10:20	Welcome and opening session	CSIR
	Workshop programme and logistics	FDC and CSIR

Workshop Thread 1: EGNOS extension for Southern Africa

10:20 – 10:40	EU GNSS cooperation in Africa	GSA
10:40 – 10:50	EU-South Africa space cooperation	CSIR/SANSA
10:50 – 11:00	Presentation of ESESА	CSIR/SANSA
11:00 – 11:15	Satellite based Augmentation (SBAS) in brief	GSA or FDC
11:15 – 11:30	Plans for EGNOS/SBAS in South Africa	CSIR/SANSA
11:30 – 11:45	Question session	
11:45 – 12:00	Coffee break	

Workshop Thread 2: Status of current GNSS applications in South Africa

12:00 – 12:20	Biomass monitoring & flora/fauna inventory	Peace Parks Foundation
12:20 - 12:40	Precision Agriculture	CLM Positioning Systems (tbc)
12:40 – 13:00	Freight tracking	Transnet (tbc)
13:00 – 13:15	Question session	
13:15 – 14:00	Lunch	
14:00 – 14:20	Application of SBAS in a maritime environment	SAMSA
14:20 – 14:40	Use of GNSS in vehicle tracking	Tracker (tbc)
14:40 – 15:00	GNSS in the Logistics environment	TBC
15:00 – 15:20	Surveying in Africa, a user case study	SMC
15:20 – 15:50	Question session	
15:50 – 16:05	Coffee break	
16:05 – 16:35	TRIGNET and AFREF	NGI

Day 1 closure

Programme of Day 2 – 3rd March 2011

Workshop Thread 3: the European GNSS programme and systems

10:00 – 10:15	Current EGNOS Programme Status and Perspectives	GSA
10:15 – 10:30	EDAS system and Commercial Data Distribution Service	GSA
10:30 – 10:40	European EGNOS projects	FDC
10:40 – 11:00	Coffee Break	
11:00 – 11:15	EGNOS/SBAS and aviation	TBC
11:15 - 11:30	Early results for aviation CBA in SA / SADC	ECORYS
11:30-12:30	Question session and discussion	
12:15 - 12:45	Workshop conclusions and closure	FDC –CSIR

Requirement and expectations from participants

Participants are not expected to be experts on satellite navigation. They should, however, approach the workshop with general requirements regarding navigation requirements in their specific area of expertise.

The workshops are free of charge but participants are expected to cover the costs incurred for attendance (travel and accommodation)

Logistics

Date: 2,3 March 2011

Place: Erinvale Estate hotel and spa
Lourensford Road
Somerset West
7130
South Africa Front Office

Tel: +27 21 847 1160
 Fax: +27 21 847 1169
 E-mail: hotel@erinvale.co.za

Language: English



Further information to come on

