

EGNOS Service Provision Workshop 2011 - Questions -

Code: ESSP-COM-4368

Revision: 1.0

This communication intends to provide a summary of the questions raised by the participants and the corresponding answers provided by the attendees during the EGNOS Service Provision Workshop hosted by ESSP in Toulouse on the 16/06/2011. The present note is structured by topics in line with the workshop agenda.

For details on the contents presented and discussed during the workshop, the slides that were presented are available at the ESSP website (http://www.essp-sas.eu/printed_documents).

1 EGNOS SOL SERVICE PROVISION

Question 1 - EGNOS NOTAM Proposals Service

When will the EAD interface with the NOTAM proposals service be available? Is there a defined target date?

ESSP: Although a detailed planning is not yet available, the EAD interface is expected to be available before the end of 2011. Operationally speaking, ESSP is prepared to incorporate this interface to the service baseline.

2 WORKING SESSION 1: EGNOS SOL SERVICE PROVISION

Question 2 - EGNOS Service Improvements derived from upcoming system releases

What are we expecting in terms of continuity improvements with the next EGNOS System Releases in order to reach the ICAO requirements?

ESSP: An improvement in the continuity performance is expected with the coming EGNOS System releases allowing coming closer to the ICAO requirements. More important improvements will be available in the medium term.

EGNOS Service Provision Workshop 2011 - Questions -

Code: ESSP-COM-4368

Revision: 1.0

Question 3 - EGNOS SoL Service Commitment Area Updates

Will the commitment area and committed performances be updated and enlarged as a result of the increased robustness against iono monitoring issues that is expected with the next EGNOS System releases?

ESSP: *The design agent (ESA) is working to improve the scenarios used to design and define the way iono events are handled, so that EGNOS robustness against this kind of events is improved with the next evolutions.*

The commitment map and target performances will be assessed based on real measurements after the deployment of a new EGNOS System Release. The service area, as provided in the EGNOS SoL Service Definition Document (http://www.essp-sas.eu/service_definition_documents/) will be updated accordingly (a new EGNOS System Release will be followed in principle –when required due to a significant improvement of the EGNOS services performance or any other reason- by the publication of a new version of the EGNOS SoL SDD).

Question 4 - EGNOS Coverage

What are the perspectives and plans for coverage extension especially for the EU countries which are not fully covered today? This is critical for the PBN implementation plans as well as the political and financial commitment.

ESSP: *The extension of coverage expected from EGNOS System release v2.3.1p (end of this year) has already been presented as part of today's presentation. Full coverage of the EU27 (except Cyprus) is expected for EGNOS System Releases v2.4.1-v2.4.2.*

10 more EU countries will be almost entirely covered with EGNOS System Release v2.3.1p.

With respect to the PBN implementation plans, it is also very important to look at the future coverage that will be available for each countries' LPV implementation target date.

EGNOS Service Provision Workshop 2011 - Questions -

Code: ESSP-COM-4368

Revision: 1.0

Question 5 - EGNOS Awareness

Are there any mechanisms in place, apart from the user consultation process, to make the EU community aware of EGNOS system, services and added value?

ESSP: *The User Consultation process is not intended to be an awareness process but a way to get user feedback. Several entities are doing a great effort in terms of awareness and communication in general (EC, GSA, ESSP) and specific promotion and implementation projects financed by EC and Eurocontrol. This will be presented on the working session on EGNOS fostering in aviation.*

Question 6 – MT9-MT17 Incoherency Issue

With regards to the MT9-MT17 issues and discrepancies, is there a roadmap with defined plans to solve this issue?

ESSP: *The correction to ensure the coherency of MT9-MT17 will come with EGNOS System Release v2.3.1p.*

The solution to this problem is being qualified and the intention is to have it deployed by end of this year.

Additionally, a network of certified receivers deployed by Eurocontrol together with the certified receivers available at ESSP will be used to monitor the system behaviour before this deployment to ensure that the correction works.

Question 7 – Full EGNOS coverage of Romania

When will the Romanian airspace be fully covered by EGNOS signal?

EC: *Full coverage of Romanian airspace is expected with EGNOS System Release v2.4.1 by 2014.*

EGNOS Service Provision Workshop 2011 - Questions -

Code: ESSP-COM-4368

Revision: 1.0

3 EGNOS SOL SERVICE IMPLEMENTATION

Question 8 – Transfer of EGNOS Safety Oversight

How is the transfer of the EGNOS oversight responsibility to EASA planned and when will EASA be fully involved in the certification process?

Eurocontrol: EASA is currently in charge of the airworthiness material and the transfer from the NSA to EASA will happen in the near future.

ESSP: This transfer has recently been postponed for 2012. EASA is preparing for this new responsibility and this can only happen when this responsibility is allocated to them officially.

4 WORKING SESSION 2: EGNOS WORKING AGREEMENT

Question 9 – Collaborative Decision Making (CDM)

With regards to the CDM, how could it be implemented in the UK case, where there are several ANSPs involved, so that all ANSPs' expectations are met?

ESSP: ESSP is willing to listen to any suggestion and, on a best effort basis, ESSP will always try to fulfill ANSPs requests. However, in some cases this might not be possible (urgent maintenance, conflict of interests between different ANSPs constraints) and it will be the responsibility of ESSP to decide.

EGNOS Service Provision Workshop 2011 - Questions -

Code: ESSP-COM-4368

Revision: 1.0

Question 10 – EWA for non-EU countries

Speaking about the EWA for non-EU countries, do you expect any major change with respect to the current version for EU countries? Is there a timeframe defined to have a draft version of the EWA for non-EU countries?

EC: *The case of South Africa is at a preliminary stage, so a precise schedule is not available yet. Apart from that, no major change in the EWA content is expected. Focus would probably be on technical issues.*

ESSP: *Progress is ongoing in the case of the State of Guernsey, and the information already available could be of interest for South Africa.*

The best will probably be to assess each State situation on a case by case basis.

5 WORKING SESSION 3: FOSTERING EGNOS INTRODUCTION IN AVIATION

Question 11 – EGNOS for South Africa

How will the joint initiative from EC and South African authority be taken into account in the EGNOS evolutions roadmap? What about EGNOS fostering activities for South Africa?

ESSP: *Discussions at institutional level are ongoing, and an agreement at this level should be the first step.*

EC: *EC is serious about Africa's interest on EGNOS. Once South Africa is integrated in the EGNOS programme and an agreement on the service performances required is achieved, these requirements will be integrated in the EGNOS evolution process. But before that, the concept of service that South Africa wants (shared responsibility, full service provided by Europe...) needs to be defined and agreed. The idea is to embark South Africa in v2.4.2 Phase B, but the roles and responsibilities, regulatory framework and concept of service needs to be defined before that. An action plan will be defined.*

ESSP: *Regarding the second question, the same answer is valid. There are previous steps that need to be fulfilled first but, once this is done, EGNOS promotion activities could of course be extended to South Africa.*



EGNOS Service Provision Workshop 2011 - Questions -

Code: ESSP-COM-4368

Revision: 1.0

6 LIST OF ACRONYMS

ANSP	Air Navigation Services Provider
ATNS	Air Traffic Navigation Services (South Africa)
CDM	Collaborative Decision Making
COM	Communication
EAD	European Aeronautical Database
EASA	European Aviation Safety Agency
EC	European Commission
EGNOS	European Geostationary Navigation Overlay System
ESA	European Space Agency
ESSP	European Satellite Services Provider
EU	European Union
EWA	EGNOS Working Agreement
GNSS	Global Navigation Satellite Services
GSA	GNSS Supervisory Authority
ICAO	International Civil Aviation Organization
LPV	Localizer Performance with Vertical guidance
MT	Message Type
NOTAM	Notice to Airmen
NSA	National Supervisory Authority
PBN	Performance Based Navigation
SDD	Service Definition Document
SoL	Safety of Life
UK	United Kingdom