



## **SUMMARY**

### **of the Ninth Meeting of the Providers' Forum**

**held in conjunction with the Seventh Meeting of the International Committee on Global Navigation Satellite Systems (ICG)**

**4, 6 and 8 November 2012**

**Beijing, China**

The Ninth Meeting of the Providers' Forum (PF), co-chaired by China and the United States, was held in conjunction with the Seventh Meeting of the International Committee on Global Navigation Satellite Systems (ICG), on the 4<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> of November 2012 in Beijing, China. The meeting agenda is attached as an annex to this report. China, the European Union, Japan, the Russian Federation, and the United States were represented at the meeting.

#### **Request for Observer Status**

The co-Chairs reported that Canada submitted a letter requesting Observer status and presented at the ICG Plenary regarding this request. The co-Chairs asked if there were any objections to this request and none were offered.

#### **Member Status Update**

The co-Chairs reported that the EU requested to be listed as the provider of both Galileo and EGNOS. The implementation will be undertaken prior to ICG-8 so that seamless participation of ESA to the ICG is ensured.

#### **Update Presentations**

The following presentations were provided:

- **Joint Presentation: Advanced Receiver Autonomous Integrity Monitoring (ARAIM) Update, U.S. and EU**

EU and U.S. presented on their joint efforts in the area of using multiple GNSS constellations in determination of ARAIM. The presenters requested service commitments from the Providers to expand the use of multiple constellations (reference discussions in Working Group A). Additional information on this topic will be provided at future ICGs.

- **Space Service Volume, U.S.**

A review of the Space Service Volume (SSV) concept was presented. The U.S. requested that the PF members complete the templates developed to document the SSV characteristics of the Provider systems. The U.S. further requested that the definition of SSV be added to the ICG Glossary of Terms.

### **Service Performance Monitoring**

The following presentation was provided:

- **International GNSS Monitoring and Assessment System (iGMAS) status and its progress, China**

iGMAS will support various Multi-GNSS monitoring activities such as cooperating with IGS M-GEX by sharing stations, data and geodetic receivers. China requested that more countries and organizations participate in future iGMAS activities (The Call for Participation and monitoring and assessment parameter draft can be found at <http://en.beidou.gov.cn>). The co-chairs of Working Group A indicated that this topic would be addressed further in the meeting.

### **Spectrum Protection: interference detection and mitigation**

The U.S. informed the group that the IDM workshop was held in June 2012 in Vienna and that it would be discussed in Working Group A.

### **Report on a multi-GNSS demonstration project in the Asia/Oceania region**

The following presentation was provided:

- **The current status of Asia Oceania Multi GNSS Demonstration Campaign, Japan**

Japan presented the status of the demonstration campaign and the upcoming workshop (4<sup>th</sup> of the campaign) to be held on Dec 8-10 in Kuala Lumpur. It was reported that currently there are 17 participating organizations and 8 joint experiments. It was requested that the Providers participate in the upcoming workshop.

### **ICG Information Centres**

The Executive Secretariat provided an update on the Information Centres. It was also reported that a GLONASS model and video was provided to UNOOSA. A request was made for the Providers to work closely with the Information Centres.

### **Information Portal**

The following presentations were provided:

- **ICG Information Service System website, China**

The presentation highlighted the Beihang University website, which contains a repository of ICG meeting information and reports.

- **ICG Website, U.S.**

The presentation provided a proposal on possible redesign of the ICG website. This includes expanding the ICG website utility to provide collaborative functions to support ICG activities as its work and membership increases. This presentation was made previously during the Seventh Meeting of the Providers' Forum.

The Providers discussed the two presentations and the topic of the ICG website. A question was asked if the ICG website should be on a Provider hosted site versus a UN hosted site. China stated that their website serves as an enhanced external information service website. The Information Centre websites and their relationship to the ICG were discussed. It was agreed that establishment of separate websites for the Information Centres would be beneficial. Two members expressed the view that it would be ideal for the ICG website to be hosted by the UN, but as discussed in previous meetings, this approach has limitations. The Executive Secretariat offered to research the matter further. The co-Chairs proposed that discussions on this topic take place in Working Group C.

### **Glossary of terms related to the work of the ICG and the Providers' Forum**

The Executive Secretariat provided an update on the ICG Glossary of Terms and the Educational Curriculum.

### **Statement of the Providers' Forum**

The providers agreed upon a statement highlighting key achievements of the ICG and Providers' Forum. This report is to be annexed to the ICG Report.

### **ICG Working Groups Recommendations**

The Providers reviewed the Recommendations of Working Groups A, B, C and D and agreed that they be forwarded to the ICG Plenary for consideration and final approval.

### **Next Meeting of the Providers' Forum**

The providers agreed that the next meeting of the Providers' Forum will occur in June 2013, Vienna, Austria, in conjunction with the COPOUS meeting. The meeting will be co-chaired by China and the U.S. It was agreed that an agenda item be added to the June Providers' Forum agenda regarding the method of co-chair selection. The U.S. pointed out that a change to the Providers' Forum Terms of Reference may be necessary.

### **Future role and work of the ICG and its Providers' Forum**

The co-Chairs introduced the documents prepared for this topic. The co-Chairs agreed to revise the paper reflecting the discussions held and distribute it to the Providers for discussion at the Providers' Forum Planning Meeting in February 2013. It was agreed that an item be added to the ICG-8 Plenary agenda, for the Members, Associate Members, and Observers to report on the results of their meeting.

### **Other Matters**

The matter of arrangements for ICG-9 (2014) was discussed and the EU expressed an interest in hosting this meeting in Europe.