

## **Recommendation 1 for Committee Decision**

**Prepared by:** Working Group C

**Date of Submission:** 08 November 2012

**Issue Title:** ICG Website

### **Background/Brief Description of the Issue:**

The current ICG Website is maintained by UNOOSA. At the 6<sup>th</sup> meeting of ICG, responding to the ICG secretariat request for input, USA gave a presentation on ICG website revision. At the 7<sup>th</sup> meeting of ICG, USA again gave the presentation on ICG website revision, and China made the presentation on ICG information service system to the Providers' Forum. The Providers' Forum referred both of the presentations to WG-C for further consideration. WG-C considered the topic of possible revision of the ICG Website and the two presentations referred to it by the Providers' Forum.

### **Discussion/Analyses:**

Discussion of the issue led the group to agree on the following two points:

1. The specific elements and features desired of the ICG Website need to be identified by the ICG/PF and documented.
2. The implementation of ICG Website revision may be possible through various mechanisms, some examples of which are: (NOTE: other mechanisms are possible)
  - a. UNOOSA revises and continues the hosting of the current ICG Website
  - b. UNOOSA revises, and continues the hosting of, the current ICG Website to the degree possible. Links to external website(s) will be added to the ICG Website. The external website(s) would provide the desired ICG Website elements and features that could not be provided by UNOOSA.
  - c. An ICG Member accepts the responsibility of hosting the ICG Website including the maintenance and revision.

Also, the group agreed to prepare a Recommendation for Committee Decision providing the proposed Workplan modification for addressing the issue of revising the content and format of the ICG Website.

### **Recommendation of Committee Action:**

1. The ICG invites its participants to review the ICG Website and provide, to the next meeting(s) of WG-C, specific details on how the content and format should be revised.
2. The ICG invites its participants and the ICG Executive Secretariat to consider and provide proposals for the revision and hosting of the ICG Website.
3. The WG-C Workplan is to be modified to incorporate the following new action:
  - ICG Website
    - Document the desired elements and features of the ICG Website as provided by ICG/PF participants. Produce a Report that is sufficiently detailed for the purpose of being used by a website designer to revise the ICG Website.

Document the proposals for the revision and hosting of the ICG Website. Produce a Recommendation for Committee Decision detailing which of the options provided is considered to be the most suitable for adoption by the ICG.

## Recommendation 2 for Committee Decision

**Prepared by:** Working Group C (Proposed by the representative of China)

**Date of Submission:** 08 November 2012

**Issue Title:** Proposal on the International Centre for GNSS Science, Technology and Education at Beihang University, as ICG Information Centre

### **Background/Brief Description of the Issue:**

The United Nations International Meeting on the Applications of GNSS held on 12-16 December 2011 in Vienna (A/AC.105/1019) recommended that the United Nations should lead, with the active support of China and relevant scientific organizations, an international effort to establish an **International Centre for GNSS Science, Technology and Education** in an existing national educational and research institution. **Beihang University** (<http://www.buaa.edu.cn>), Beijing, China, has offered to host such a centre.

### **Discussion/Analyses:**

In the past year, Beihang University actively started the construction of the center. With the support of China Satellite Navigation Office and the university, the Beidou international communication and training center was inaugurated on August 24, 2012. Summer school on GNSS frontier technology was held, and the Master degree program on GNSS has begun with 20 participants from 7 countries. Beihang University has established a partnership with Asia Pacific Space Cooperation Organization (APSCO) and is pursuing the cooperation with the UN –affiliated Regional Centers for Space Science and Technology Education located in Morocco, Nigeria, India, Mexico/Brazil and Jordan. A GNSS Information Service System for education and research purposes is proposed.

### **Recommendation of Committee Action:**

Recognize International Centre for GNSS Science, Technology and Education as an ICG information Centre.

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## Recommendation 3 for Committee Decision

**Prepared by:** Working Group C (Proposed by the representative of USA)

**Date of Submission:** 08 November 2012

**Issue Title:** Amend the WGC workplan to reflect responsibility for information dissemination activities

### Background/Brief Description of the Issue:

The U.S. proposes that the ICG consider adding a new topic heading “Information Dissemination” and an action item numbered C6 under “Information Dissemination” to the ICG Working Group-C (WG-C) Workplan. Currently, the Workplan does not contain either of these.

### Discussion/Analyses:

WG-C has responsibility for information sharing and dissemination. The workplan for WG-C currently does not contain wording to explain that portion of the working group’s designation. An integral part of, and challenge for GNSS systems is developing methods to quickly and efficiently distribute available system information to public, governmental, scientific, and commercial users of GNSS. In a future multi-GNSS world, methods to distribute this information will have to be coordinated among provider systems to facilitate common use by users. The ICG members, from governmental, scientific and educational backgrounds, are particularly suited to identifying ways to distribute information, including the development of web-presence materials to document and publicize the related activities.

### Recommendation of Committee Action:

The recommendation of ICG WG-C is to add topic heading “Information Dissemination” and the associated action item to the WG-C Workplan as follows:

#### Information Dissemination

Action C6 (new): Identify recommended methods to quickly and efficiently distribute information available from GNSS systems to the public, governmental, scientific, and commercial users of GNSS, including web-presence materials to document and publicize the related activities.

## **Recommendation 4 for Committee Decision**

**Prepared by:** Working Group C (proposed by the representative of European Space Agency)

**Date of Submission:** 08 November 2012

**Issue Title:** Participation to Navipedia

### **Background/Brief Description of the Issue:**

The current GNSS international scenario is very dynamic, including the modernization of the legacy GPS and GLONASS as well as the emergence of new satellite navigation systems including Galileo in Europe and COMPASS in China, but also Satellite Based Augmentation and Regional satellite systems. The field of satellite navigation is progressing at such a rapid pace that it is difficult to keep track of the latest evolutions, satellite launches, technologies or even systems and signals. Furthermore, books on GNSS are rapidly outdated and incorrect information can be found scattered over the internet.

### **Discussion/Analyses:**

In order to overcome the issues listed above the European Space Agency has launched Navipedia aiming at having a GNSS educational portal (or wiki) to support the transfer of GNSS know-how to the public, providing a common, complete and trustable compilation of reference updated knowledge in GNSS. Navipedia is freely accessible on the internet via [www.navipedia.org](http://www.navipedia.org) and is conceived as a collaborative GNSS encyclopedia with the objective to foster the transfer of knowledge in the field of GNSS. Navipeia adopts the concept of Media-wiki products where anyone can comment, propose modification to an existing articles, suggest a new topic or submit a draft article.

### **Recommendation of Committee Action:**

ICG WG-C invites all ICG participants to contribute to Navipedia and support therewith education in the area of navigation.