ICG WORKING GROUP A
Compatibility and Interoperability of Global and Regional Navigation Satellite Systems and Satellite-based Augmentations

ICG-6 Meeting

Tokyo, Japan
4 – 9 September 2011

AGENDA

Wednesday, September 7, 0930-1300

- WG-A Co-chairs Opening Remarks

- Approval of the Agenda

Session 1: GNSS Updates

1) System Provider Updates – additional information*
   - China
   - EU
   - Japan
   - Russia
   - U.S.

* Note: This is an opportunity for group discussion on any information relevant to WG-A that requires clarification or elaboration based on the system provider updates presented in the plenary session on Monday, September 5

Session 2: GNSS Compatibility

1) Report of the Sub-group on Organizational Models and Procedures for Multilateral Coordination of GNSS Compatibility

Takahiro MITOME (Japan), Fredric BASTIDE (EC)

2) Approval of proposed ICG-6 recommendation 2.1 – **Continuation of WG-A compatibility subgroup**:

- *To continue the activities of the WG-A Compatibility subgroup in accordance with the ToR [as attached]*

- *The subgroup will assess compatibility issues to support the development of Common Signal Characteristics Reference Assumptions, which are recommended by ICG-5 Recommendation 6.*

Session 3: Spectrum Protection - Interference Detection, and Mitigation (IDM)

1) IDM for GNSS Open Service in China

Mr. Weimin ZHEN (China)

2) Joint Japan-U.S. Proposal for a Spectrum Protection/Interference Detection and Mitigation Workshop

Jeff AUERBACH/Rick HAMILTON (USA)

3) Approval of proposed ICG-6 recommendation 3.1 – **Proposed workshop on GNSS Spectrum Protection and Interference Detection and Mitigation for ICG Providers Forum Member Consideration:**

- *It is recommended that ICG conduct a two day workshop, with another half-day to finalize recommendations, focusing on GNSS Spectrum Protection and Interference Detection and Mitigation. The location of the proposed workshop, to be conducted no earlier than March 2012, is to be determined. It is also recommended that follow-up meetings or workshops may be discussed and agreed upon as a result of this initial workshop.*

4) Consideration of <u>**new**</u> ICG-6 recommendation 3.2 – **Proposed joint lab on GNSS Interference Detection and Mitigation for ICG Providers Forum Member Consideration:**

- *It is recommended that ICG establish a joint lab, which will focus on the following items:*
  - *Conduct joint research on GNSS IDM schemes in the ICG framework;*
  - *Exchange and share interference monitoring data and information;*
  - *Define (recommended) standard of interference detection device and other related standards;*
  - *Conduct joint research on space weather (forecast and effects) and relaed activities.*

Session 4: Open Service Information Sharing and Service Performance Monitoring (Joint Session with WG's B&D)

1) International GNSS Monitoring and Assessment Service (iGMAS) for OS

   Mr. Xurong DONG (China)

2) Update on the Multi-GNSS Asia (MGA) Demonstration Campaign

   Satoshi KOGURE (Japan)

3) GNSS Performance Monitoring System in Russia

   Sergey REVNIVYKH (Russia)

4) International GNSS Service (IGS) Multi-GNSS Activities and Plans

   Chris RIZOS (IAG)

5) Approval of proposed ICG-6 recommendation 4.2 – **International GNSS Monitoring and Assessment:**
   - *To monitor and assess GNSS open services worldwide, a team of interested members of WG-A should be formed to develop a proposal to optimize existing and planned capabilities, and identify additional activities necessary for international GNSS Monitoring and Assessment.*

6) Approval of proposed ICG-6 recommendation 4.1 – **Consensus on Open Service GNSS performance parameters [including definitions and calculations]:**

   - *An ad hoc team of interested system provider representatives will be formed to initiate the necessary discussions and collaboration. Names should be provided to WG-A as soon as possible.*

Session 5: GNSS Interoperability (Proposed Joint Session with WG's B&D)

1) Relationship between Visible Satellite Number and receiver Noise Floor

   Ms. Xiachun LU (China)

2) Status of implementing ICG-5 recommendations
   a. Recommendation 2: User Community Views on Interoperability
   b. Recommendation 3: Time and Geodesy Aspects of Interoperability
   c. Recommendation 4: Participation in the Multi-GNSS Demonstration Campaign

3) Group Discussion

    a. WG-B and/or WG-D recommendations related to Interoperability

    b. WG-A Recommendation?

Thursday, September 8, 0930-1100

Session 6: Conclusion

1) Any unfinished business

2) Final review of recommendations and WG-A Plenary Presentation

3) Closing remarks

4) Adjourn