



ICG Interference Detection and Mitigation (IDM) Workshop Summary

***ICG Working Group A Meeting
Olsztyn, Poland***

26 July 2012



Workshop Background

- Planning began in March 2011
- Presented to the ICG as a joint proposal by the U.S. and Japan
 - Draft concept presented at Planning Meeting – June 2011
 - Presented as ICG Working Group A recommendation at ICG-6 – September 2011
- ICG adopted the proposal as a formal recommendation at ICG-6
- Workshop held 07-08 June 2012 at the UN International Centre in Vienna



Workshop Participants

- Five GNSS Providers
 - China
 - EU/ESA
 - Japan
 - Russia
 - U.S.
- Malaysia
- International Telecommunications Union (ITU)
- International Civil Aviation Organization (ICAO)



Workshop Topics

- Provider updates
 - Two presentations by U.S.
- Discussion on sources of interference
- RNSS spectrum protection overview
 - Presentations: U.S., ITU, Japan, UK
- Current and future information sharing, dissemination, collaboration and standardization
 - Presentations: China and U.S.
- Case studies
 - U.S. presentation
- Concepts and Techniques for Interference Detection
 - UK Presentation



Workshop Conclusions

- ICG should develop educational material such as a downloadable pamphlet or other web content on sources of interference to GNSS
- Recommendation that ICG member state participants identify a suitable GNSS monitoring site or operations center to be recognized by the ITU as an official part of its International interference monitoring network
- ICG providers should be reminded to adhere to the existing template for sharing information between service providers and should exchange information related to domestic spectrum management activities applicable to GNSS



Workshop Conclusions (cont.)

- The ICG should compare the existing ITU interference report to the reporting form used by the U.S. and other forms under development in order to develop a guideline or best practice for GNSS interference reporting
- The ICG should consider initiating a process to develop guidelines for mobile GNSS device manufacturers that are interested in contributing interference detection information to national reporting authorities or automated detection networks



Workshop Conclusions (cont.)

- System providers and ICG participants should identify experts to participate in the next IDM workshop and reach a consensus on the next meeting date and location



Next Workshop

- Possible Venues
 - Pacific PNT ION Meeting
 - 23-25 April 2013
 - Hawaii, USA
 - GNSS Vulnerabilities Workshop
 - May 2013
 - Baska, Croatia
 - Discussion (Pros/Cons)
- Agenda Items
 - Discussion