

ICG Workshop on GNSS Spectrum Protection and Interference Detection and Mitigation

Honolulu, Hawaii

21-22 April 2013

AGENDA

DAY 1: Sunday, 21 April

Location: Marriott Waikiki Hotel

1500 Introduction

- Opening Remarks
- Approval of the Agenda

1515 Update from current Providers

- Update on concepts of current and proposed methods of addressing IDM
 - ❖ PRESENTATION: U.S. Update on IDM Activities
Rick HAMILTON, U.S. Coast Guard Navigation Center
- Relevant interference events and lessons learned based on actual experiences
 - ❖ DISCUSSION

1700 Break

1715 Previous Recommendations and Actions

- Review of active Working Group A recommendations
 - ❖ DISCUSSION: Implementation of Recommendation 3.1 at ICG-7
Education & Outreach Regarding Sources of GNSS Interference
The ICG should develop educational material such as a downloadable pamphlet or other web content on sources of interference to GNSS. The material should include an explanation why radio navigation satellite services (RNSS) are different than radio communications services and more vulnerable to interference.
- Conclusions from the first IDM Workshop (June 2012)
 - ❖ DISCUSSION: Status of relevant conclusions

1. The ICG should recommend that its 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.
2. ICG system 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.
3. 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.
4. 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

➤ Follow-up actions

1900 Adjourn

DAY 2: Monday, 22 April

Location: Marriott Waikiki Hotel

0930 Radionavigation Satellite Service (RNSS) Spectrum Protection Update

- RNSS spectrum management regime relevant to GNSS interference and spectrum protection
 - ❖ DISCUSSION

1015 Industry/Institution views

- Concepts and techniques used for interference detection and monitoring
 - ❖ PRESENTATION: IDM activities at the Institute of Space Technology and Space Applications (ISTA)
Diana FONTANELLA, ISTA, University FAF Munich
 - ❖ PRESENTATION: GPS Jamming - Quantifying the Threat
*David LAST, Strategic Adviser,
General Lighthouse Authorities of the UK and Ireland*

1115 Break

1130 Industry/Institution views (continued)

- ❖ PRESENTATION: Signal Sentry 1000
*Joseph IAQUINTO, Chief Scientist,
Geospatial Systems Division, ITT/Exelis*
- ❖ DISCUSSION

1230 Lunch

1330 Information sharing, dissemination, collaboration, and standardization

- Methods of Reporting Interference
 - ❖ PRESENTATION: Suggested Reporting Method and Form for GNSS Interference
Weimin ZHEN, China Electronics Technology Group

- Concepts for developing a common reporting standard
 - ❖ DISCUSSION
- Opportunities of further international collaboration and cooperation
 - ❖ DISCUSSION

1500 Break

1515 Workshop views and recommendations

- Views and recommendations for future actions
- Discussion of Workshop benefits
- Next Steps
 - ❖ Future Workshops
 - ❖ Other meetings