

Tuesday, 20 March 2018

09:00 – 10:30 **Session – Seminar on GNSS Spectrum Protection and Interference Detection and Mitigation**

I. Overview

- 09:00 Course Introduction, *Jeffrey AUERBACH, United States of America*
- 09:20 Participant Introductions: Country, Meeting Participants, GNSS Use Within Country, *Robyn ANDERSON, United States of America, Dominic HAYES, European Commission, Takahiro MITOME, Japan*

II. Introduction to GNSS

- 09:55 How GNSS Works and Applications, *Dominic HAYES, European Commission*
- 10:15 Spectrum protection of global navigation satellite systems (GNSS) from unwanted emissions caused by International Mobile Telecommunications (IMT) systems in the frequency range below 3 GHz, *Dimitry ARONOV, Russian Federation*
- 10:30– 10:45 *Coffee Break*

13:00 – 15:05 **Session – Seminar on GNSS Spectrum Protection and Interference Detection and Mitigation (continues)**

II. Introduction to GNSS (continued)

- 13:00 GNSS Receiver Fundamentals, *Takahiro MITOME, Japan*
- 13:20 Introduction to Interference, *Robyn ANDERSON, United States of America*

III. Spectrum Management

- 13:40 What is Spectrum Management, *Dominic HAYES, European Commission*
- 13:55 The ITU and Spectrum Management, *Dominic HAYES, Takahiro MITOME, Japan*
- 14:10 Introduction to National Spectrum Agencies and National Applications, *Dominic HAYES, European Commission, Takahiro MITOME, Japan*
- 14:30 Q&A Session, *All Workshop Participants*
- 14:50 Conclusion: Summary and Homework Assignment, *Robyn ANDERSON, United States of America*
- 15:05 Adjourn
- 15:05– 15:20 *Coffee Break*

Wednesday, 21 March 2018

09:00 – 12:05 **Session – Seminar on GNSS Spectrum Protection and Interference Detection and Mitigation (continues)**

09:00 Day 2 Introduction and Recap, *Jeffrey AUERBACH, United States of America*

09:10 Interactive Discussion and Participant presentations, *All Workshop Participants*

IV. Spectrum Protection

10:00 Introduction to Spectrum "Protection", *Dominic HAYES, European Commission*

10:20 ICG Activities and its Role in Spectrum Protection and Interference Detection and Mitigation, *Jeffrey AUERBACH, United States of America*

10:35 Case Studies: Ultra Wide Band & LightSquared, *Robyn ANDERSON, United States of America*

10:50 – 11:10 *Coffee Break*

V. Interference Detection and Mitigation

11:10 Proliferation of GNSS Jammer Devices, *Robyn ANDERSON, United States of America*

11:25 Interference Detection Concepts, *Takahiro MITOME, Japan*

11:45 Interference Detection and Mitigation and GNSS Jammers, *Rick HAMILTON, United States of America*

VI. Summary/Interactive discussions

12:05 Summary and Q&A Session, *All Workshop Participants*

12:30 End of Session

12:30 – 13:30 *Lunch Break*