

ETTC 2017 ICTS Technical Program

Thursday, June 15th, 9:00 – 12:00 a.m.

Meeting Room 'SPOT'

Session Nr.10 Special Session (40th), International Consortium for Telemetry Spectrum (ICTS)

Chair Jean-Claude Ghnassia for Mr. Scott A. Hoschar, ICTS Chairman

9:00 a.m. ITU Regional Report: "Region-I (Europe/Africa)"

Gerhard Mayer, European Society for Telemetry, gmayer@gvm-consultants.com

"The results of the World Radiocommunication Conference 2015 (WRC-15), focusing on the impact and threat potential to European Aeronautical Mobile Telemetry (AMT) and Conference of Postal and Telecommunications Administrations (CEPT) activities, are described. Specific WRC-15 Agenda Items for the upcoming WRC-19 (like Res. COM 6 / 16) (WRC-15) look at threats to our assets in S-Band (2300- 2400 MHz) and C-Band (5150-5250 MHz), especially involving commercial Licensed Assisted Access.

The potential for AMT in the K- & Ka-Bands (20-36 GHz) will be examined. The intentions of the powerful commercial International Mobile Telecommunications (IMT) world to acquire additional spectrum in this range should alert the telemetering community to quickly ponder the requirements for additional spectrum within a time horizon of 2020 and beyond. At a much later time point it will be much more difficult (or worst case with almost no chance) to initiate that process.

ITU Regional Report: "Region-II (the Americas)

09:30 a.m.

Guy W. Williams, Air Force Test Center, Edwards Air Force Base CA USA, guy.williams.2@us.af.mil (for Mr. Scott Hoschar, Head Mid-Atlantic Area Frequency Coordination Office, scott.hoschar@navy.mil) and Mr. Luiz Fernando de Souza, Embraer Sociedade Anônima, lfsouza@embraer.com.br

This presentation will deal with updates on such USA issues as the recent C-Band Notice of Proposed Rulemaking involving C-Band AMT, Medical Body Area Network Telemetry, Wireless Microphones in our Lower L-Band, Wireless Communications Services in our Upper S-Band Communications Service, and Out-Of-Band-Emission limits into the new, adjacent AMT C-Band (5091-5150 MHz) by Remote Local Area Network (RLAN) devices in the adjacent 5150-5250 MHz band. Many more details concerning the USA will be covered in Presentation 17-06-03 below. Lastly, Brazil will brief on C-Band Implementation and the AMT-related World Radiocommunication Conference 2015 involving the USA, Brazil, Mexico and Canada.

ITU Regional Reports "Region-III (Asia/Pacific) (5 minutes)

This presentation will deal with updates on pertinent telemetry issues in the Asia and Pacific Rim Region: Japan, Korea, China, India, etc.

10:00 a.m.

"The COFDM Roadmap at EMBRAER"

Sergio Penna, Embraer SA, San Paulo Brazil, sdpena@embraer.com.br

11:00 a.m. **“Encroachment Threats to Aeronautical Mobile Telemetry in the USA: Update #14”**
Mr. Guy W. Williams, Air Force Test Center, Edwards Air Force Base CA,
guy.williams.2@us.af.mil (for Mr. Scott Hoschar, Head Mid-Atlantic Area Frequency
Coordination Office, Patuxent River MD USA, scott.hoschar@navy.mil)

"In furtherance of a Presidential Directive (June 2010) for reallocation of 500 MHz for commercial terrestrial broadband, we are sharing (instead of completely migrating from) the reallocated Government 1755-1780 MHz band with commercial broadband mobile systems, also known as Long Term Evolution services (LTE). AMT (along with the 1780-1850 MHz band) is a heavy user of this band. The Transition/Migration Plans, the NOV 2014 1755-1780 MHz Band Auction, Department of Defense Spectrum Initiatives and other factors will be covered."

11:30 a.m. **“Threat to AMT-C-Band by Action Item 1.16 (WRC-19): Study to enable outdoor WAS/RLAN Operations. Necessary Protection Criteria”**
Luc Falga, Airbus Flight & Integration Test Centre, Toulouse, luc.falga@airbus.com

12:30 a.m. **Adjourn**