

# ***ICTS 2002 PLENARY MEETING***

***at ITC San Diego, USA – 24 Oct. 2002***

## ***Brief Summary***

**The following report is a brief summary of the meeting necessary for the Region I Working Group. The final version will be completed by Sheila Wright.**

### **1. Regional Reports**

#### **• Region 1**

- Presentation of Region I work and conference participation – recall the utility of introduction of COFDM transmission in spectrum-efficient modulation studies :
- Presentation of the list of “guest” members

(The presentation of members classified according to the ICTS charter is not yet available).

#### **• Region II :**

a) The following 4 new members were elected by the those authorised to do so and present at the meeting :

- Wynn Atterbury (DoD)
- Jim Tedeschi (ARTM Project Director)
- Tom Fagen (Raytheon)
- Charles Glass (NTIA)

b) 2 New Points :

- China frequencies added to the global matrix
- Assistance to the DoD in the 1710-1755 MHz issue

#### **• Region III**

- Research carried out on submarine propagation :
- Ongoing contacts with China
- Answers to CA109 questionnaire received in Australia for the ITU

### **2. Working Group 1 Report by Darrell Ernst**

Report of the Group meeting held on Monday afternoon with a decision to focus on the production of an economical document to help all nation representatives to the WRC 2003 to support the agenda point 2.12 (high data rate telemetry between 3 and 30 GHz).

### **3. Presentation by Mike Ryan of the Global Spectrum Matrix**

#### **4. Ballot for New Officers :**

- Chairman – Tim Chalfant
- Vice-Chairman – Gerhard Mayer
- Secretary/Treasurer – Darrell Holtmeyer

#### **5. ARTM report by Jim Tedeschi, Project Director**

The main guidelines are :

- Efficiency
- Quality
- Utility

Several topics are currently being examined :

- Channel management (deconfliction system)
- On-board data management (dynamic measurement list)
- Efficient modulations (multi-h CPM, SOQPSK etc.)
- Adaptive equalization against multipath
- Advanced transmission antennas
- Diversity branch selector
- JPL software receiver
- C-Band hybrid telemetry

#### **6. ITU Geneva report by Ken Keane**

UK (for Inmarsat) and UAE (for Thuraya) ask for use of 1518-1525 MHz for satellites. In Region I, 1492-1525 band is allowed for satellites, but not in USA, where TM is used. Negotiations are underway, with geo-stationary satellite restrictions in some parts of the sky.

#### **7. Future Role of EU-Radio Spectrum Policy Group by Gerhard Mayer (see Attachment no. 3 in the “Letters to the Editor” Section §3) :**

- Group decided by European Commission in May 2002
- Harmonization group
- Execution by national authorities
- Members not yet designated

Members are reminded that French authorities (like in the UK) require control of frequency allocations due to harmonization with defence and maritime needs.

#### **8. USA Telemetry Spectrum Encroachment by Mike Ryan**

- Detailed report of the problem met with 3<sup>rd</sup> generation telephone spectrum participation to a Working Group with US authorities to find 90 MHz for 3G (45 MHz 2110-2170 and 45 MHz 1710-1755) final agreement between Industry and Test Ranges : 2385-2395 back to telemetry, and share of 1990-2025 MHz.