



INTERNATIONAL CONSORTIUM FOR TELEMETRY SPECTRUM

# WRC News

Nov' 2007

## WRC 2007 AGENDA ITEM 1.5 - OUTCOME - A NEW ALLOCATION FOR AERONAUTICAL MOBILE TELEMETRY

The 2007 World Radiocommunication Conference (WRC 2007) ran from 22 Oct - 16 Nov at the headquarters of the ITU in Geneva, Switzerland. For the members of the ICTS and international T&E Telemetry user community, the 2007 WRC offered the opportunity to address the much publicised spectrum availability problems facing the global Telemetry community. For the ICTS the successful outcome on agenda item 1.5 represented a major milestone since its formation in 1999.

On 15th November, ICTS chair Dr Gerhard Mayer was able to officially declare that AI 1.5 had finally received the necessary support from WRC delegates and that the ITU-R radio regulations were to be updated to approve the use of new frequency allocations in the 4.4-6.7 GHZ band. The new allocations include a world-wide "harmonised" band; albeit this is shared with other services on a non interference basis. See page 2. Full details will be posted on the ICTS web site - [www.TelemetrySpectrum.org](http://www.TelemetrySpectrum.org)



Mikel Ryan (ICTS Region II co-ordinator) in the main conference venue – CICG

### AGENDA ITEM 1.5

Agenda Item 1.5:- *"to consider spectrum requirements and possible additional spectrum allocations for aeronautical telecommand and high bit rate aeronautical telemetry, in accordance with Resolution 230 (WRC-03)".*

ICTS members have over the last few years been active in establishing their national telemetry spectrum requirements, and have also participated in ITU study group and WRC conference preparatory meetings.

Early studies reported by the ICTS concuded that any additional assignments would need to be in the 3-15GHz region due to significant technological / propagation constraints above 15GHz - Today flight test telemetry is primarily carried out in the L and S bands (D and E bands)



ITU – Geneva

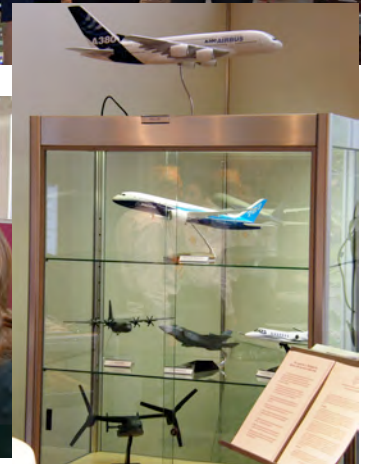
[www.TelemetrySpectrum.org](http://www.TelemetrySpectrum.org)

## ICTS STAFF WRC BOOTH

From discussions with a number of national radio regulatory bodies the ICTS learned that many WRC delegates would not be fully informed of the background and issues surrounding agenda item 1.5 prior to attending the conference in Geneva. To remedy this apparent "knowledge gap" it was decided to staff an information booth at the WRC venue for the 4 week duration of the conference.

With meticulous planning and operations management courtesy of ICTS stalwarts Darrell Ernst and Jean Claude Ghnassia, a number of ICTS members staffed the booth for 12 hours a day for the entire 4 week period!

An incentive for WRC delegates to visit the ICTS booth, located adjacent to the main conference venue, was the weekly draw - the prizes being a number of prestigious model aircraft which were kindly donated to ICTS by the aircraft manufacturers.



Some of the ICTS members involved in staffing the WRC booth.

## PRECIS OF WRC 2007 AI 1.5 OUTCOME

An extract from the draft WRC provisional final acts (allied to Agenda Item 1.5) is available on the ICTS website [www.TelemetrySpectrum.org](http://www.TelemetrySpectrum.org). Note that these are in the course of revision prior to formal issue. Frequency allocations for Aeronautical Mobile Telemetry (below) are subject to sharing with other users and are restricted by geographical operational limitations

4400- 4940 MHz	5091- 5150 MHz	5150-5250 MHz	5925-6700 MHz
Region 1 - No allocation	All regions - Worldwide allocation (59Mhz)	Region 1 - Allocation except in Algeria, Saudi Arabia, Bahrain, Egypt, UAE, Jordan, Kuwait, Lebanon, Morocco, Oman, Qatar, Syrian Arab Republic, Sudan, Tunisia	Region 1 - No allocation
Region 2 - Allocation except in Brazil, Cuba, French overseas departments, Guatemala, Paraguay, Uruguay, Venezuela		Region 2 - No allocation except Brazil	Region 2 - Allocated except in Brazil, Cuba, French overseas departments, Guatemala, Paraguay, Uruguay, Venezuela
Region 3 - No allocation except Australia		Region 3 - No allocation	Region 3 - No allocation