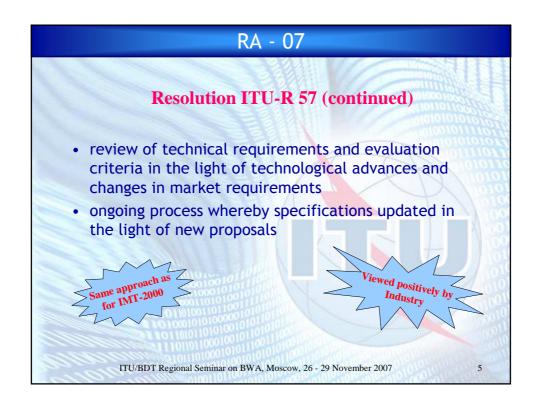
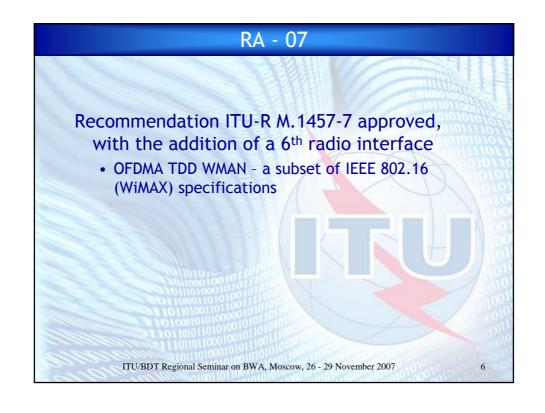
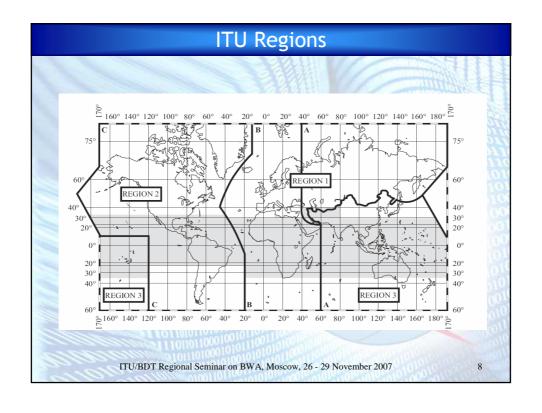
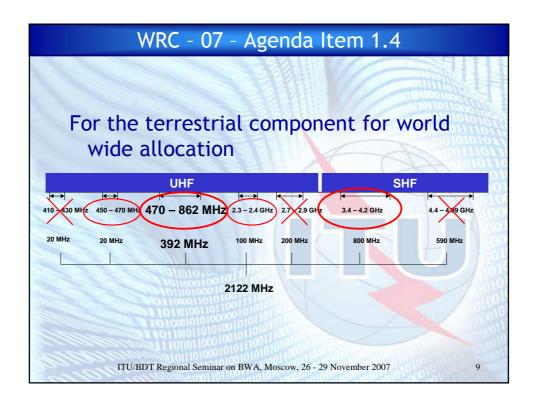


Resolution ITU-R 57 Principles for the process of development of IMT-Advanced definition of minimum technical requirements and evaluation criteria invitation to ITU-R Members (and other orgs.) through a Circular letter to propose candidate radio interface technologies evaluation by ITU-R (+ other orgs.) of the technologies proposed consensus building to achieve harmonization development of IMT-Advanced radio interface specifications Recommendations (c.f., paralleling Rec. M.1457 for IMT-2000)









Results in Region 1 • Allocation added to MS in 790-862 MHz subband on co-primary basis with BC • Mod footnote 5.317A • Identification of the sub-band for IMT • No priority for IMT w.r.t. other services / applications • New footnote 5.XXX • Allocation is effective as of 17 June 2015 • Use of MS stations subject to successful application of GE06 procedures

Agenda item 1.4/UHF (continued 1)

Results in Region 1 ...

- Mod footnote 5.316 to limit its validity until 16 June 2015 (gives primary allocation to MS in many Region 1 countries) but secondary w.r.t. other countries
- Add footnote 5.316A: additional countries to allocate MS as of WRC-07, effective until 16 June 2015 (POL & LIT subject to agreement from Russia); complementary to 5.316 to include additional Region 1 countries

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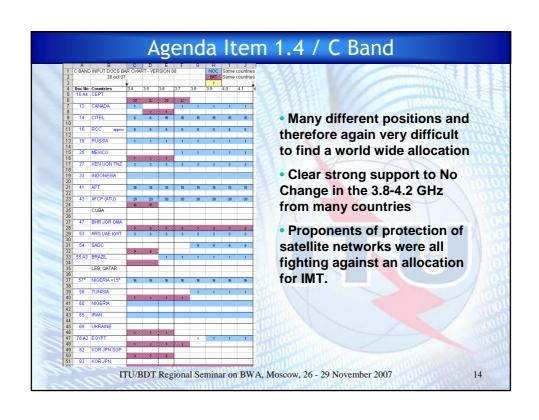
Agenda item 1.4/UHF (continued 2)

Results in Region 1 ...

- Resolution 224 (linked to 5.XXX and 5.317A)
 - MS should not interfere with BC or claim protection from BC in GE06 Plan
 - Deployment of MS should not prevent the inclusion of new entries in GE06 Plan
- Resolution COM4/13 linked to 5.XXX and 5.317A on the sharing studies to be performed and to report to WRC-11
- Joint Task Group 5-6 created to carried out sharing studies referred to in COM4/13

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Allocation to services		
Region 1	Region 2	Region 3
470-790 BROAD CASTING	476-512 BROAD CASTING Freed Mobile 5.292 MOD 5.293 512-698 BROAD CASTING 668-614 RADID ASTRONOMY Mobile-stellite except aeronamical mobile-stellite (Enth-to-space) 614-698 BROAD CASTING Freed Mobile	470-585 FIXED MOBILE BROAD CASTING 5-201 5-208 FIXED MOBILE BROAD CASTING BROAD CASTING RADIONAWGATION 3.140-5-305-5-306-5-30 FIXED MOBILE MOD 5-317A ADD 5-37YY BROAD CASTING
5.149 5.291A 5294 5296 5300 5302 5304 5306	MOD 5.293 5.309 ADD 5311A 698-806 BROAD CASTING Fixed MOBILE MOD 5317A →ADD 5.UUU	
DD 5311A 5312	MOD 5 293 5 309 ADD 5 311A 806-890 FIXED MOBILE MOD 5 317A BROAD CASTING	
5312 5314 5315 MOD 5316 ADD 5316A 5319		
62-890 IXED (OBILE except aeronautical mobile MOD 5-317A (ROAD CASTING 5-322		
319 5323	5317 5318	5.149 5305 5306 530 ADD 5311A 5320



Agenda Item 1.4 / C Band

- No change to table of frequency allocations
- New country footnotes 5.AAA for some Region 1 countries (not RCC countries) to allocate MS in the 3.4-3.6 GHz band
- IMT should respect a maximum interfering PFD level
- New country footnotes for some Region 2 & 3 countries, specifying IMT identification and interfering PFD level
- Not on WRC-11 agenda

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Agenda Item 1.9

Sharing between space and terrestrial services in the band 2 500 – 2 690 MHz

- Tighter PFD limits introduced for BSS in Table 21-4 of Article 21
- To avoid placing undue constraints on the satellite services, Resolution COM4/12 provides for application of pre-WRC-07 PFD limits for certain satellite networks listed
- Footnote 5.384A modified to identify 1 710-1 885, 2 300-2 400 and 2 500-2 690 Mhz bands for IMT implementation

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Resolutions modified - 1

- Resolution 212 (Rev. WRC-07) recognizes availability of 230 Mhz for IMT implementation in the bands 1 885-2 025 MHz and 2 110-2 200 MHz and invites further ITU-R studies on IMT, with focus on meeting telecommunication needs of developing countries and rural areas
- Resolution 221 (Rev. WRC-07): modified to include generic reference to IMT and removal of Table of HAPS characteristics, which has been included Appendix 4

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Resolutions modified - 2

- Resolution 223 (Rev. WRC-07): recognizes identification of IMT in bands 1 710-1 885, 2 300-2 400 and 2 500-2 690 Mhz, that other services operate in these bands and invites ITU-R to study sharing and enhancement of IMT, particularly to meet needs of developing countries and rural areas
- Resolution 224 (Rev. WRC-07): asks for sharing studies in the UHF sub-bands (seen earlier) between MS and BC and to develop harmonized frequency arrangements in the 450-470 MHz band

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Summary

- Positive outcome for IMT spectrum allocation issues, particularly in UHF band
- SHF band outcome C Band not so good immediately, but footnotes for the 3 400- 3 600 GHz band provide coordination mechanism for introduction of IMT
- No clear winners but all services got something

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Conclusion

- Have focused on spectrum allocation for IMT but the WRC-07 dealt with many other issues
- About 30 Agenda Items were considered, related to almost all terrestrial and space radio services, like
 - · Future generations of mobile telephony
 - Aeronautical telemetry and telecommand systems
 - Satellite services including meteorological applications, FSS plan,
 - Maritime distress and safety signals international regulations were reviewed
 - Digital broadcasting
 - Use of radio in disaster prediction and detection

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