

ITUEvents

3rd ITU Inter-regional Workshop on WRC-19 Preparation

4-6 September 2019
Geneva, Switzerland

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3rd ITU INTER-REGIONAL WORKSHOP ON WRC-19 PREPARATION (Geneva, 4-6 September 2019)

Session 2

**IMT related issues,
information on agenda
items (Als) 9.1.1, 9.1.2
and 9.1.8**

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Organized by:





WRC-19 agenda item 9.1 - Issue 9.1.1

Resolution **212 (Rev.WRC-15)** "Implementation of International Mobile Telecommunications in the frequency bands 1 885-2 025 MHz and 2 110-2 200 MHz"

invites ITU-R







to study possible technical and operational measures to ensure coexistence and compatibility between the terrestrial component of IMT (in the mobile service) and the satellite component of IMT (in the mobile service and the mobile-satellite service) in the frequency bands 1 980-2 010 MHz and 2 170-2 200 MHz where those frequency bands are shared by mobile service and the mobile-satellite service in different countries, in particular for the deployment of independent satellite and terrestrial components of IMT and to facilitate development of both the satellite and terrestrial components of IMT

AI 9.1.1 – current regional positions

Studies have been performed to evaluate the coexistence and compatibility of terrestrial and satellite components of IMT deployed in neighbouring countries/different concerned countries/adjacent geographical areas across different countries.

The studies cover scenarios for IMT satellite component with different characteristics, and terrestrial IMT deployments in several different environments (Scenarios A1, A2, B1 and B2) as outlined in section 2/9.1.1/4 of the CPM Report to WRC-19.

With respect to the results of studies and resulting regulatory actions, two views are reflected in the CPM Report.

APT	ASMG	ATU	CEPT	CITEL	RCC
					
More support for View 2 but no consensus	Supports View 2	TBD	Supports View 1	NOC to Articles and Appendices. MOD to Res. 212. View 2 (non-regulatory updates)	A1: Mod. Res. 212 A2: NOC B1: MOD Appendix 7 B2: MOD Appendix 5



WRC-19 agenda item 9.1 - Issue 9.1.2

Resolution **761 (WRC-15)** "Compatibility of International Mobile Telecommunications and broadcasting-satellite service (sound) in the frequency band 1 452-1 492 MHz in Regions 1 and 3"

resolves to invites ITU-R

- to conduct, in time for WRC-19, the appropriate regulatory and technical studies, with a view to ensuring the compatibility of IMT and BSS (sound) in the frequency band 1 452-1 492 MHz in Regions 1 and 3, taking into account IMT and BSS (sound) operational requirements
- to prepare, inter alia, the regulatory action that could be taken, based on the studies carried out under resolves to invite ITU-R 1 above, in order to facilitate the long-term stability of IMT and BSS (sound) in the frequency band 1 452-1 492 MHz









AI 9.1.2 – possible regulatory actions

Nine possible regulatory actions as outlined in section 3/9.1.2/4 of the CPM Report to WRC-19:

1. Maintain status quo (i.e. no changes to the Radio Regulations)
2. Maintain status quo for those countries for which the frequency band is not identified for IMT
3. Maintain status quo for the protection of BSS (sound) and stipulate PFD limits for the protection of IMT in Regions 1 and 3
4. Maintain status quo for the protection of BSS (sound) and stipulate PFD limits for the protection of IMT in some countries of Regions 1 and 3
5. Maintain status quo for the protection of IMT and stipulate PFD limits for the protection of BSS (sound) in Regions 1 and 3
6. PFD limits for the protection of both IMT and BSS (sound) in Regions 1 and 3
7. PFD limits for the protection of both IMT and BSS (sound) in some countries of Regions 1 and 3
8. New coordination threshold for protection of both IMT and BSS (sound) in Regions 1 and 3
9. New coordination threshold for protection of both IMT and BSS (sound) in some countries of Regions 1 and 3

AI 9.1.2 – current regional positions

APT	ASMG	ATU	CEPT	CITEL	RCC
					
<p>No support of regulatory actions 2, 4, 6, 7, 8 and 9</p> <p>Support of regulatory action: TBD</p>	<p>Support regulatory action 3 with implementation of Alternative 2 on the pfd limit</p>	<p>Support regulatory action 3, Alternative 2</p>	<p>Support regulatory action 3</p>	<p>NOC to Region 2</p>	<p>NOC</p>



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Issue 3) in the Annex to Resolution **958 (WRC-15)** –
*Urgent studies required in preparation for the 2019 World
Radiocommunication Conference*

*Studies on the technical and operational aspects of radio networks
and systems, as well as spectrum needed, including possible
harmonized use of spectrum to support the implementation of
narrowband and broadband machine-type communication
infrastructures, in order to develop Recommendations, Reports
and/or Handbooks, as appropriate, and to take appropriate actions
within the ITU Radiocommunication Sector (ITU-R) scope of work.*

AI 9.1.8 – current regional positions

APT	ASMG	ATU	CEPT	CITEL	RCC
					
<p>NOC</p>	<p>NOC</p>	<p>NOC</p>	<p>NOC</p>	<p>NOC</p>	<p>NOC</p>