

ITUEvents

1st ITU Inter-regional Workshop on WRC-23 preparation

13 - 15 December 2021

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#ITUWRC

**UHF band in Region 1,
review and possible
regulatory actions
WRC-23 agenda item 1.5**

**Sergey Pastukh
Chairman, TG 6/1**



WRC-23 agenda item 1.5

Resolution 235 (WRC-15) – Review of the spectrum use of the frequency band 470-960 MHz in Region 1:

resolves to invite ITU-R, after the 2019 WRC and in time for the 2023 WRC:

- 1 to review the **spectrum use and study the spectrum needs** of existing services within the frequency band 470-960 MHz in Region 1, in particular the spectrum requirements of **the broadcasting and mobile**, except aeronautical mobile, services, taking into account the relevant ITU Radiocommunication Sector (ITU-R) studies, Recommendations and Reports;
- 2 to carry out **sharing and compatibility studies**, as appropriate, in the frequency band 470-694 MHz in Region 1 between the **broadcasting and mobile**, except aeronautical mobile, services, taking into account relevant ITU-R studies, Recommendations and Reports;
- 3 to conduct **sharing and compatibility studies**, as appropriate, in order **to provide relevant protection** of systems of other **existing services**

resolves to invite the 2023 World Radiocommunication Conference

to consider, based on the results of studies above, **provided** that these **studies are completed and approved** by ITU-R, possible **regulatory actions** in the frequency band **470-694 MHz in Region 1**, as appropriate ...



Organisation & Status of studies

- **CPM23-1 Decision** (Responsible: TG 6/1, Contributing: WPs 3K, 3M, 5A, 5B, 5C, 5D, 6A, 7D):
 - ✓ WP 6A is to conduct and complete the studies on spectrum use and spectrum needs of the BS;
 - ✓ WPs of SG 5 are to conduct and complete the studies on spectrum use and spectrum needs of the MS, except AMS;
 - ✓ TG 6/1 is responsible for conducting the sharing and compatibility studies and for the development of draft CPM text.

- **Results of Meetings No. 1-3** (October 2020, July 2021, November 2021)
 - 6-1/77 A1 - WD on review of the spectrum use and the study on spectrum needs of existing services**
 - ✓ LS 5A - Compilation of information from some Administrations in Region 1 regarding LMS within 470-960 MHz
 - ✓ LS 5D - Spectrum use and spectrum needs of existing services including IMT within 470-960 MHz in Region 1
 - ✓ LS 6A - Information regarding the broadcasting service in the band 470-960 MHz in Region 1
 - ✓ LS 7D - Spectrum use and spectrum needs of the Radio Astronomy Service within 470-960 MHz in Region 1
 - 6-1/77 A2 - WD on sharing and compatibility studies in the frequency band 470-694 MHz in Region 1;**
 - ✓ 3K and 3M - Issues related to propagation for sharing studies in Task Group 6/1
 - ✓ LS 5A - WRC-23 agenda item 1.5
 - ✓ LS 5B - Information for sharing and compatibility studies within the frequency band 470-960 MHz in Region 1
 - ✓ LS 5D - Information for sharing and compatibility studies
 - ✓ LS 6A - Information regarding the broadcasting service in the band 470-960 MHz in Region 1
 - ✓ LS 7D - Protection of the radio astronomy service in the frequency bands 606-614 and 608-614 MHz
 - 6-1/77 A3 - WD towards draft CPM Text for WRC-23 agenda item 1.5;**

What should be done?

➤ How to resolve diverging views?

- Sharing studies for the services with the primary / secondary status.
- Consider or not impact from incumbent services to new entrants.
- Protection criteria for the mobile service need to be clarified.
- Consider or not impact from IMT to PMSE.
- Reference to the Reports of ITU-R.

➤ Do we need one more meeting?

Meeting No. 4 (21 February – 4 March 2022)

- Drafting of CPM Text.
- Finalize the sharing and compatibility studies.

Meeting No. 4 bis (July-August 2022)

- Do we need additional meeting?

Meeting No. 5 (05 September – 16 September 2022)

- Completion of draft CPM Text