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|  | ASIA-PACIFIC TELECOMMUNITY | **Document No:** |
| **The 2nd Meeting of the APT Conference Preparatory****Group for WRC-23 (APG23-2)** | **APG23-2/OUT-09** |
| 19 – 23 April 2021, Virtual/Online Meeting | 23 April 2021 |

Working Party 1

**PRELIMINARY VIEWs on WRC-23 agenda item 1.5**

**Agenda Item 1.5:**

*to review the spectrum use and spectrum needs of existing services in the frequency band 470-960 MHz in Region 1 and consider possible regulatory actions in the frequency band 470‑694 MHz in Region 1 on the basis of the review in accordance with Resolution* ***235 (WRC‑15)****;*

**1. Background**

During WRC-15, after proposal of WRC-19 agenda item by multiple Region 1 administrations for studying Region 1 identification of 470-694/698 MHz for IMT and consequent Plenary-session discussions, an agenda item was proposed for WRC-23,as item 2.5 in the Resolution **810 (WRC-15)**. This proposal was approved in WRC-19 as agenda item 1.5 and the relevant Resolution **235** **(WRC-15)** kept intact.

The Resolution **235** **(WRC-15)** invites ITU-R 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. Furthermore, ITU-R invited 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, as well as to conduct sharing and compatibility studies, as appropriate, in order to provide relevant protection of systems of other existing services. At the end, this Resolution limits WRC-23 to take possible regulatory actions in the frequency band 470-694 MHz in Region 1, as appropriate, based on the results of completed studies above.

Task Group 6/1 (TG 6/1) was established by [CPM23-1](https://www.itu.int/dms_pub/itu-r/md/00/ca/cir/R00-CA-CIR-0251%21%21MSW-E.docx) to be responsible group for conduction of agenda item 1.5 work. TG 6/1 at its October 2020 meeting, established three Working Groups (WG) 1 to 3 to deal with spectrum use and needs of all existing services, sharing and compatibility studies, and development of draft CPM text including regulatory aspects, respectively. [Its outputs](https://www.itu.int/md/R19-TG6.1-C-0024/en) include also decisions on the management team and workplan. In addition, an Ad-Hoc Group of Plenary to be established at the time it is considered appropriate by the TG 6/1 to deal with the various aspects of GE06 Agreement. Five to six meeting proposed for TG 6/1 by item 9 Annex 9 [CPM23-1 Report](https://www.itu.int/dms_pub/itu-r/md/00/ca/cir/R00-CA-CIR-0251%21%21MSW-E.docx), where the next (2nd) meeting of TG 6/1 is scheduled from 28 June to 7 July 2021.

With respect to the work on sharing and compatibility studies in the band 470-960 MHz, the following ITU-R Reports are relevant, as stated in [Annex 6](https://www.itu.int/dms_ties/itu-r/md/19/tg6.1/c/R19-TG6.1-C-0024%21N01-R1%21MSW-E.docx) to Document 6-1/24 for the [TG 6/1](https://www.itu.int/en/ITU-R/study-groups/rsg6/tg6-1/Pages/default.aspx) Chairman’s Report:

– [BT.2301-2](https://www.itu.int/pub/R-REP-BT.2301): National field reports on the introduction of IMT in the bands with co-primary allocation to the broadcasting and the mobile services

– [BT.2337-1](https://www.itu.int/pub/R-REP-BT.2337): Sharing and compatibility studies between digital terrestrial television broadcasting and terrestrial mobile broadband applications, including IMT, in the frequency band 470-694/698 MHz

– [BT.2339-0](http://www.itu.int/pub/R-REP-BT/publications.aspx?lang=en&parent=R-REP-BT.2339): Co-channel sharing and compatibility studies between digital terrestrial television broadcasting and international mobile telecommunication in the frequency band 694-790 MHz in the GE06 planning area.

AWG has developed and published the [APT/AWG/REP-79](https://www.apt.int/sites/default/files/Upload-files/AWG/APT-AWG-REP-79_APT_Report_Arrangement_470-698_MHz.docx) “APT Report on Frequency Arrangements for IMT in the Band 470-698 MHz.”

**2. Documents**

* Input Documents APG23-2/[INP-24](https://www.apt.int/sites/default/files/2021/04/APG23-2-INP-24_AUS_contribution_for_WP1_Preliminary_Views_on_WRC-23_Agenda_Items_1.1_1.2_1.3_1.4_1.5_9.1Topic_c_and_No._21.5.docx) (AUS), [INP-50](https://www.apt.int/sites/default/files/2021/04/APG23-2-INP-50_VTN_WP1_PV_1.1_1.2_1.3_1.4_1.5.docx) (VTN), [INP-53](https://www.apt.int/sites/default/files/2021/04/APG23-2-INP-53_LS_from_AWG.docx) (AWG)
* Information Documents APG23-2/[INF-12](https://www.apt.int/sites/default/files/2021/03/APG23-2-INF-12_Briefing_on_AI1.5.docx) (DG Chairman), [INF-25](https://www.apt.int/sites/default/files/2021/04/APG23-2-INF-25_ASMG.docx) (ASMG), [INF-30](https://www.apt.int/sites/default/files/2021/04/APG23-2-INF-30_GSMA_contribution_APG23-2_final.docx) (GSMA), [INF-34](https://www.apt.int/sites/default/files/2021/04/APG23-2-INF-34_CITEL_Preparation_for_WRC23_april_2021_revfinal.docx) (CITEL), [INF-36](https://www.apt.int/sites/default/files/2021/04/APG23-2-INF-36_RCC_Preparation_to_the_World_Radio_Conference_and_Radio_Assembly_2023.docx) (RCC)

**3. Summary of discussions**

**3.1 Summary of APT Members’ views**

**3.1.1 Australia** - **Document APG23-2/**[**INP-24**](https://www.apt.int/sites/default/files/2021/04/APG23-2-INP-24_AUS_contribution_for_WP1_Preliminary_Views_on_WRC-23_Agenda_Items_1.1_1.2_1.3_1.4_1.5_9.1Topic_c_and_No._21.5.docx)

Australia notes that this is a Region 1 issue and does not have a position on this agenda item. However, studies may assist towards reviewing spectrum use and spectrum needs of existing services in the frequency band 470-694 MHz.

**3.1.2 Viet Nam** - **Document APG23-2/**[**INP-50**](https://www.apt.int/sites/default/files/2021/04/APG23-2-INP-50_VTN_WP1_PV_1.1_1.2_1.3_1.4_1.5.docx)

Viet Nam supports 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.

Taking into account above studies as well as the interest of global harmonization and economies of scale, Viet Nam supports appropriate action at WRC-23 including possible regulatory actions in the frequency band 470-694 MHz in Region 1.

* 1. **Summary of issues raised during the meeting**
* Concerns raised about the interference that may happen from Region 1 future application in mobile service to existing services and applications in Region 3 within the frequency band of this agenda item.
* The heavy workload of TG 6/1 with six planned meetings on this agenda item highlighted and the complexity of future discussions of this group on different aspects expected by the meeting.

**4. APT Preliminary View(s)**

APT Members are of the view that conclusion to be reached on the agenda item 1.5 is a Region 1 issue and WRC-23 decisions shall in no way adversely affect Region 3 frequency allocations and existing and future use of the relevant frequency band.

**5. Other View(s) from APT Members**

None.

**6. Issues for Consideration at Next APG Meeting**

APT Members are encouraged to submit their contributions for further considerations in the next APG23-3 meeting, taking into account progress of ITU-R studies.

**7. Views from Other Organisations**

**7.1 Regional Groups**

**7.1.1 ASMG** - **Document APG23-2/**[**INF-25**](https://www.apt.int/sites/default/files/2021/04/APG23-2-INF-25_ASMG.docx)

Studying the possibility of allocating part of the band for IMT applications by interested administrations, while providing appropriate protection for existing services.

Inviting ASMG administrations to study their actual uses in this band and define their priorities and views on the possibility of allocating the band or part of the band to the mobile services, the possibility of identifying the band or part of the band for IMT systems, and the timing of the start of the application.

**7.1.2 CEPT- Document APG23-1/**[**INF-35**](https://www.apt.int/sites/default/files/2021/04/APG23-2-INF-35_Status_of_CEPT_Preparation_for_WRC-23_and_RA-23.docx)

TBD

* + 1. **ATU** - **Document APG23-2/**[**INF-26**](https://www.apt.int/sites/default/files/2021/04/APG23-2-INF-26_State_of_ATU_WRC-23_Preparations.docx)

Will be provided in July 2021 meeting.

**7.1.3 CITEL - Document APG23-1/**[**INF-34**](https://www.apt.int/sites/default/files/2021/04/APG23-2-INF-34_CITEL_Preparation_for_WRC23_april_2021_revfinal.docx)

An Administration supports studies for additional allocations to the mobile service in Region 1, including potential identifications to IMT as long as studies indicate that such use would not impose undue constraints on the existing services and their future development in Region 2.

Some administrations consider that any eventual changes to the Radio Regulations under WRC-23 agenda item 1.5 must not impact Region 2 services (and applications thereof) nor subject Region 2 to any changed procedural or regulatory provisions.

**7.1.4 RCC - Document APG23-1/**[**INF-36**](https://www.apt.int/sites/default/files/2021/04/APG23-2-INF-36_RCC_Preparation_to_the_World_Radio_Conference_and_Radio_Assembly_2023.docx)

The RCC Administrations oppose changes in the regulatory conditions for the use of the470 -694 MHz frequency band in Region 1 under this WRC-23 agenda item due to the current and future intensive use of this frequency band by the existing services.

**7.2 International Organisations**

TBD

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