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| 1. **Agenda item** | | | | | | | | | | | | | | |
| **Agenda Item**  1.2 | | | to consider identification of the frequency bands 3 300-3 400 MHz, 3 600 3 800 MHz, 6 425-7 025 MHz, 7 025-7 125 MHz and 10.0-10.5 GHz for International Mobile Telecommunications (IMT), including possible additional allocations to the mobile service on a primary basis, in accordance with Resolution **245 (WRC 19)** | | | | | | | | | | | |
| **Working Group** | | | | WG1 | | | **Sub-Working Group** | | | SWG-1B a.i.1.2 | |
| **Coordinator** | Dr. WANG Tan | | | | | | | **Email** | | | wangtan0281@163.com | | | |
| **WP Chair** | Dr. H. ATARASHI (J) | | | | | | | **Email** | | | hiroyuki.atarashi.yt@nttdocomo.com | | | |
| **Report Date** | 3rd April 2023 (Monday) | | | | | | | | | | | | | |
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| 1. **APT** | | | | | | | | | | | | | | |
| **APT Preliminary Views**  CPM23-2/xxxx | | | | **Band 5 - 7 025-7 125 MHz (globally)**  APT Members support potential IMT identification in the frequency band 7 025-7 125 MHz to achieve globally harmonized utilization with appropriate regulatory and technical conditions, taking into account the results of studies to ensure the protection of services to which the frequency band is allocated on a primary basis and in adjacent bands.  **Band 1 - 3 300-3 400 MHz (amend footnote in Region 1)**  APT Members are of the view that any possible IMT identification in the frequency band 3 300-3 400 MHz in Region 1 shall protect the services to which the frequency band is allocated on a primary basis and in adjacent bands in Region 3 so that these services shall in no way be adversely affected.  **Band 2 - 3 300-3 400 MHz (Region 2)**  APT Members are of the view that any possible IMT identification in the frequency band 3 300-3 400 MHz in Region 2 shall protect the services to which the frequency band is allocated on a primary basis and in adjacent bands in Region 3 so that these services shall in no way be adversely affected.  **Band 3 - 3 600-3 800 MHz (Region 2)**  APT Members are of the view that any possible IMT identification in the frequency band 3 600-3 800 MHz in Region 2 shall not impact the services to which the frequency band is allocated on a primary basis and in adjacent bands in Region 3 so that these services shall in no way be adversely affected.  **Band 4 - 6 425-7 025 MHz (Region 1)**  APT Members are of the view that any possible IMT identification in the frequency band 6 425-7 025 MHz in Region 1 shall protect the services to which the frequency band is allocated on a primary basis and in adjacent bands in Region 3, in particular, the uplink of Appendix **30B** bands so that these services shall in no way be adversely affected.  **Band 6 - 10 000-10 500 MHz (Region 2)**  APT Members are of the view that any possible IMT identification in the frequency band 10.0-10.5 GHz in Region 2 shall protect the services to which the frequency band is allocated on a primary basis and in adjacent bands in Region 3 so that these services shall in no way be adversely affected. | | | | | | | | | | |
| **APT Views for modification of CPM Report**  CPM23-2/xxxx | | | | [if any] | | | | | | | | | | |
| **Outcome from earlier**  **APT Coord meeting** | | | | [Brief summary any change in views/approach agreed at previous APT coordination meeting. Include date of relevant meeting] | | | | | | | | | | |
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| 1. **Other regional groups** | | | | | | | | | | | | | | |
|  | | **ATU** | | | | **ASMG** | | | **CEPT** | | | **CITEL** | | **RCC** |
| **Input(s)** | | CPM23-2/xxxx | | | | CPM23-2/xxxx | | | CPM23-2/xxxx | | | CPM23-2/xxxx | | CPM23-2/xxxx |
| **Summary of views/proposals** | | [**WRC-23-IRW-22/3**](https://www.itu.int/md/R19-2WSHWRC23-C-0003/en)  **3300 - 3400MHz:**  a) Support removal of stringent conditions of footnotes 5.429A and 5.429B or adopting a new footnote;  b) Encourage African countries not yet listed in footnote 5.429B to consider adding their names;  c) not support any method that will result in maintaining the current regulatory situation.  **6425-7125MHz:**  a) Preliminarily support identification for IMT;  b) Support consideration of appropriate measures to ensure the protection. | | | | [**WRC-23-IRW-22/5**](https://www.itu.int/md/R19-2WSHWRC23-C-0005/en)  **3300-3400MHz:**  - Reviewing the regulatory conditions (5.429b), and identifying the frequency band 3300-3400MHz for IMT of countries wishing to do so within the current footnote or the possibility of considering a new footnote with an emphasis on protecting existing services.  **6425-7125MHz:**  - Follow-up studies with regard to identifying the frequency range 6425-7125 MHz while emphasizing on the protection. | | | **APG23-5/INF-**[**39**](https://www.apt.int/sites/default/files/2023/02/APG23-5-INF-39_Status_of_CEPT_preparation_for_WRC-23_and_RA-23.pdf)  **3300-3400MHz (Amend Footnote in Region 1):**  CEPT does not support amendments to footnotes 5.429A and 5.429B. CEPT does not support an IMT identification for the entire Region 1. Furthermore, CEPT opposes amending the footnote to change the regulatory provisions applicable to IMT.  **3300-3400 MHz (Region 2):**  CEPT supports maintaining the regulatory provisions in the footnotes.  **3600-3800 MHz (Region 2):**  To be developed  **6425-7025 MHz (Region 1) and 7025-7125 MHz (Globally):**  -considering IMT or WAS/RLAN or a shared framework.  -considering the conditions for potentially accepting an IMT identification.  -the protection of incumbent primary services and applications in the band 6425-7125 MHz should be ensured through relevant RR provisions.  -emphasises that any potential IMT identification does not preclude the use of this frequency band. Additional provisions should clearly outline opportunities for other broadband applications.  -discussing further conditions including in relation to potential candidate IMT bands for WRC-27.  **10000-10500 MHz (Region 2):**  CEPT is of the view that the band 10-10.4 GHz should not be identified for IMT in Region 2 in order to ensure the protection of the radiolocation and the globally operating EESS (active) systems. | | | **APG23-5/INF-**[**43**](https://www.apt.int/sites/default/files/2023/02/APG23-5-INF-43_CITEL_preparation_for_WRC-23.pdf)  **3300-3400MHz:**  Inter- American Proposal  Identification of the mid-band frequency spectrum for IMT in Region 2 in the band 3 300-3 400 MHz by modification of 5.429C, 5.429D and the addition of 5.12AI  **3600-3800MHz:**  Draft Inter-American Proposals  Some Administrations propose the modification of 5.434 to extend the existing IMT footnote(s) to the entire Region 2 for the identification of 3 600-3 800 MHz for IMT, removing existing conditions.  Other Administrations propose the modification of 5.434 to add new countries in the identification of 3 600-3 700 MHz for IMT while maintaining all existing conditions.  **6425-7125MHz:**  Draft Inter-American Proposal  Some Administrations propose NOC for the identification of the frequency band 6 425-7 125 MHz for IMT.  **10-10.5GHz:**  Draft Inter-American Proposal  Several Administrations propose allocation to the mobile service and identification of IMT in Region 2 in the band 10-10.5 GHz. | | **APG23-5/INF-**[**45**](https://www.apt.int/sites/default/files/2023/02/APG23-5-INF-45_Status_of_RCC_preparation_to_the_WRC-23.pdf)  **3300−3400MHz (Regions 1/2):**  Region 1  No objection for the extension of country name list but advocate for the protection.  Region 2  No objection for identification but advocate for the protection.  Method 1A or 1B from the draft CPM Report  **3600−3800MHz (Region 2):**  If identified for IMT in Region2, it is necessary to adopt relevant provisions to the RR ensuring protection of FSS and FS.  Method 3A or 3D from the draft CPM Report  **6425−6525MHz (Region 1):**  No objection to the identification for IMT. Protection of FSS (E-s) and FS should be ensured.  **6525−7025MHz (Region 1), 7025−7100MHz (Global):**  Support identification under conditions.:  - non-GSO MSS (s-E) feeder links in the band 6700-7075 MHz;  - FSS (E-s) stations on GSO and HEO in the band 6725-7025 MHz;  - SOS / SRS stations in the band 7100-7250 MHz;  -not imposing regulatory or technical constrains for SOS / SRS and keep possibility for the further use of the EESS (passive).  **7100−7125 MHz (Global):**  Protect existing radio services (including space stations of SOS, SRS and EESS (passive)).  Methods 4D and 5D from the draft CPM Report  **10.0-10.5GHz (Region 2):**  Method 6A or 6C |
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| 1. **Summary of discussions during CPM23-2** | | | | | | | | | | | | | | |
| **Working documents/TEMPs etc** | | | | | [Compilation document AI1.2](https://extranet.itu.int/rsg-meetings/cpm/Share/Forms/Column%20view.aspx?RootFolder=%2Frsg%2Dmeetings%2Fcpm%2FShare%2FWG%201%20%28Chapter%201%29%2FSWG%2D1B%20a%2Ei%2E%201%2E2%2FCompilation%20Document&FolderCTID=0x012000D752C6C5448FB646B6D6C69F1006D5C1&View=%7B9DF2742D%2DB5B0%2D4F69%2D9FBA%2D8BA9FE325068%7D) | | | | | | | | | |
| [identify key developments during discussions]   1. SWG-1B a.i.1.2 was established under WG1. 2. Two offline discussions were established, one for FSS-UL sharing studies, the other for section 5.5.6, Resolves 2.1 and 2.2. 3. Several issues need further discussion including Method 4F, Section 5.5.6 UK Resolution, Method 4B/5B and so on. | | | | | | | | | | | | | | |
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| 1. **Issue(s) which require discussion and further guidance at APG Coordination meeting** | | | | | | | | | | | | | | |
| The following issues may need to be discussed depending on time availability.  **1. Method 4F**: to identify the frequency band 6 425-7 025 MHz in Region 3 for IMT by creating a new RR footnote with conditions which are contained in a draft new WRC Resolution.  There is a multi-country contribution (CBG/CHN/MNG/BRM, CPM23-2/233) to propose a new method – Method 4F for Band 4. This issue was discussed at SWG-1B a.i.1.2, WG1, and 3rd plenary. Some administration pointed it out that Resolution **245 (WRC-19)** in section resolves to invite ITU Radiocommunication Sector refers to only Region 1 for the frequency band 6 425-7 025 MHz. Some administrations consider this is within the scope, depending on different interpretation to the Resolution. Some administrations insist to apply the same principle and treatment for such controversial issues, since there are several methods for different frequency bands under AI 1.2 were regarded as out of scope. WG1 co-chair invites APT to further coordinate this issue. Currently there are different Options for Method 4F and APT Members have different views towards them. An email discussion was organized to coordinate this issue regarding different Options. However, there was not so much progress.  **2. Section 5.5.6 UK Resolution**: consider other broadband applications of the mobile service, including other wireless access systems (e.g. WAS/RLAN).  **3. Method 4B/5B**: This method proposes to identify the frequency band 6 425-7 025 MHz in Region 1 (7 025-7 125 MHz for global) for IMT by creating a new RR footnote associated with a new Resolution without any additional conditions or constraints to the IMT deployment other than those existing in the RRs. | | | | | | | | | | | | | | |

**Annex**

| **Sub-Working Group (SWG)** | **Sections of draft  CPM Report** | **CPM23-2 Input documents** |
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| **SWG-1B a.i. 1.2** Chairman: [Ms Luciana CAMARGOS] E-mail: [[lcamargos@gsma.com](mailto:lcamargos@gsma.com) ] | general | [1(+Corr.1)](https://www.itu.int/md/R19-CPM23.2-C-0001/en)\*, [2](https://www.itu.int/md/R19-CPM23.2-C-0002/en)\*, [5](https://www.itu.int/md/R19-CPM23.2-C-0005/en)\*, [16](https://www.itu.int/md/R19-CPM23.2-C-0016/en)\*, [209](https://www.itu.int/md/R19-CPM23.2-C-0209/en)\*, [223](https://www.itu.int/md/R19-CPM23.2-C-0223/en) |
| 1/1.2/1 | [6](https://www.itu.int/md/R19-CPM23.2-C-0006/en), [35](https://www.itu.int/md/R19-CPM23.2-C-0035/en), [223](https://www.itu.int/md/R19-CPM23.2-C-0223/en), [230](https://www.itu.int/md/R19-CPM23.2-C-0230/en), [233](https://www.itu.int/md/R19-CPM23.2-C-0233/en) |
| 1/1.2/2 | [223](https://www.itu.int/md/R19-CPM23.2-C-0223/en) |
| 1/1.2/3 | [6](https://www.itu.int/md/R19-CPM23.2-C-0006/en), [114](https://www.itu.int/md/R19-CPM23.2-C-0114/en), [215](https://www.itu.int/md/R19-CPM23.2-C-0215/en), [223](https://www.itu.int/md/R19-CPM23.2-C-0223/en), [230](https://www.itu.int/md/R19-CPM23.2-C-0230/en) |
| 1/1.2/4 | [6](https://www.itu.int/md/R19-CPM23.2-C-0006/en), [17](https://www.itu.int/md/R19-CPM23.2-C-0017/en), [20](https://www.itu.int/md/R19-CPM23.2-C-0020/en), [35](https://www.itu.int/md/R19-CPM23.2-C-0035/en), [49](https://www.itu.int/md/R19-CPM23.2-C-0049/en), [114](https://www.itu.int/md/R19-CPM23.2-C-0114/en), [223](https://www.itu.int/md/R19-CPM23.2-C-0223/en), [230](https://www.itu.int/md/R19-CPM23.2-C-0230/en), [233](https://www.itu.int/md/R19-CPM23.2-C-0233/en) |
| 1/1.2/5 | [6](https://www.itu.int/md/R19-CPM23.2-C-0006/en), [35](https://www.itu.int/md/R19-CPM23.2-C-0035/en), [49](https://www.itu.int/md/R19-CPM23.2-C-0049/en), [75](https://www.itu.int/md/R19-CPM23.2-C-0075/en), [97](https://www.itu.int/md/R19-CPM23.2-C-0097/en), [114](https://www.itu.int/md/R19-CPM23.2-C-0114/en), [166](https://www.itu.int/md/R19-CPM23.2-C-0166/en), [185](https://www.itu.int/md/R19-CPM23.2-C-0185/en), [190](https://www.itu.int/md/R19-CPM23.2-C-0190/en), [216](https://www.itu.int/md/R19-CPM23.2-C-0216/en), [223](https://www.itu.int/md/R19-CPM23.2-C-0223/en), [228](https://www.itu.int/md/R19-CPM23.2-C-0228/en), [229](https://www.itu.int/md/R19-CPM23.2-C-0229/en), [230](https://www.itu.int/md/R19-CPM23.2-C-0230/en), [233](https://www.itu.int/md/R19-CPM23.2-C-0233/en), [235](https://www.itu.int/md/R19-CPM23.2-C-0235/en) |