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| 1. **Agenda item**
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| **Agenda Item**1.13 | to consider a possible upgrade of the allocation of the frequency band 14.8-15.35 GHz to the space research service, in accordance with Resolution **661 (WRC 19)** |
| **Working Group** | WG 3 | **Sub-Working Group**  | SWG 3B |
| **Coordinator** | Rui Han | **Email** | henryxju@gmail.com/ hanrui@srrc.org.cn |
| **WP Chair** | Mr. Wahyudi Hasbi | **Email** | wahyudi.hasbi@lapan.go.id  |
| **Report Date** | 03.04.2023 |
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| 1. **APT**
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| **APT Preliminary Views**CPM23-2/xxxx | For the APT Preliminary Views on the Agenda item adopted at APG23-5, please refer to the output document of APG23-5 meeting (Doc. [APG23-5/OUT-21](https://www.apt.int/sites/default/files/2023/03/APG23-5-OUT-21_PV_AI1.13_ed.docx)).APT did not submit input contribution to CPM23-2 meeting on this Agenda item. |
| **APT Views for modification of CPM Report**CPM23-2/xxxx | None. |
| **Outcome from earlier** **APT Coord meeting** | None. |
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| 1. **Other regional groups**
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|  | **ATU**  | **ASMG** | **CEPT** | **CITEL** | **RCC** |
| **Input(s)** | CPM23-2/135 | CPM23-2/47 | CPM23-2/xxxx | CPM23-2/xxxx | CPM23-2/xxxx |
| **Summary of views/proposals** | The proposed modifications seek to provide reasons for the No Change method, as well as, adding adjacent frequency bands to Method D (RAS). | Some modifications were made for Method (D) and emphasizing that Method (A) “No Change” must be kept in the CPM text. |  |  |  |
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| 1. **Summary of discussions during CPM23-2**
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| **Working documents/TEMPs etc** | Working documents: [1+c1](https://www.itu.int/md/R19-CPM23.2-C-0001/en)\*, [5 (IUCAF)](https://www.itu.int/md/R19-CPM23.02-C-0005/en)\*, [16 (ICAO)](https://www.itu.int/md/R19-CPM23.2-C-0016/en)\*, [47 (ASMG/ARB)](https://www.itu.int/md/R19-CPM23.2-C-0047/en), [61 (CHN)](https://www.itu.int/md/R19-CPM23.2-C-0061/en), [85 (CRAF)](https://www.itu.int/md/R19-CPM23.2-C-0085/en), [116 (F)](https://www.itu.int/md/R19-CPM23.2-C-0116/en), [135 (ATU/AFCP)](https://www.itu.int/md/R19-CPM23.2-C-0135/en), [168 (RUS)](https://www.itu.int/md/R19-CPM23.2-C-0168/en), [170 (USA)](https://www.itu.int/md/R19-CPM23.2-C-0170/en), [174 (J)](https://www.itu.int/md/R19-CPM23.2-C-0174/en), [209 (SKAO)](https://www.itu.int/md/R19-CPM23.2-C-0209/en)\*, [211 (G)](https://www.itu.int/md/R19-CPM23.2-C-0211/en)\* Relevant part(s) of the document.Topic proposed by these contributions:* Positions for WRC-23 agenda item 1.13 from international organizations;
* Modification of Summary of result of ITU-R Study and Methods to satisfy the agenda item;
* Providing reasons for Method A (NOC);
* Modifications of Method B, C and D.
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| The CPM 23-2 meeting finalized the modifications to the Draft CPM text of Agenda Item 1.13, as shown in TEMP document CPM23-2/DT/22, which will be presented to WG 3 this afternoon and, if approved, a subsequent plenary meeting.After the discussion at the meeting, original Method E has been removed and the proposed Method B3 has been turned to Method C. Original Method C, D and F have been rearranged and put into the new Method E. It should be noted that several studies were performed to determine pfd levels corresponding to the interference criteria, and the results of those studies have diverging results, which are reflected by the various methods to resolve the agenda item.Some of studies carried out by ITU-R show that the pfd limits described in Recommendations ITU-R SA.1626-1 (for space-to-Earth) and SA.510-3 (for space-to-space) do not provide sufficient protection of the incumbent terrestrial services.All studies were performed considering the characteristics of near-Earth missions, whereas some Methods propose to upgrade SRS (all subsets), some subsets, or a subset of SRS.In the TEMP document, there are 5 methods to satisfy this agenda item:* Method A: No change to the RR except the suppression of Resolution **661 (WRC-19)**;
* Method B: To upgrade the space research service (space-to-space) to primary status with the modification of RR Article 5Table of Frequency Allocations and to add a row in RR Table 21-4 of RR Article 21 to specify pfd limits for SRS (space-to-space);
* Method C: To upgrade the secondary SRS allocation except SRS active and SRS passive applications. Tables of RR Article 21, Appendix 4 and Appendix 7 are modified to specify pfd limits for SRS (space-to-Earth) and (space-to-space), to protect the radio astronomy service and to determine the coordination distances around SRS earth stations. A new Resolution are proposed to upgrade the status of the existing assignments recorded in the MIFR with the original date of receipt, subject to conformity with the new conditions of the allocation of the frequency band 14.8-15.35 GHz to the space research service.
* Method D: The upgrade is limited to the usage of the SRS for near-Earth missions avoiding the upgrade of all other subsets of the SRS and to modify RR Table 21-4 of RR Article 21 to specify pfd limits for SRS (space-to-space) and (space-to-space). It is also proposed to have a pfd limit in order to protect the AMS, HTTS and RAS operated in neighboring countries.
* Method E: Provisions to both protect and avoid constraints on primary services for the FS and MS in the frequency band 14.8-15.35 GHz, as well as radio astronomy service in the adjacent frequency band 15.35-15.4 GHz are provided in this method, which are reflected in three sub-Methods.
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| 1. **Issue(s) which require discussion and further guidance at APG Coordination meeting**
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| None. |