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| 1. **Agenda item**
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| **Agenda Item**1.17 | to determine and carry out, on the basis of the ITU-R studies in accordance with Resolution 773 (WRC 19), the appropriate regulatory actions for the provision of inter-satellite links in specific frequency bands, or portions thereof, by adding an inter-satellite service allocation where appropriate. |
| **Working Group** | WG 4 | **Sub-Working Group**  | SWG-4C a.i 1.17 |
| **Coordinator** | ZHANG Bo | **Email** | bo.zhang4969@gmail.com |
| **WP Chair** | Ms. Fenhong ChengMr. Mrunmaya Pattanaik | **Email** | chengfenhong@chinasatcom.compattanaik.mr@gov.in |
| **Report Date** | **29/03/2023.03** |
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| 1. **APT**
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| **APT Preliminary Views**APG23-5/OUT-29 | APT Members are the view of that satellite-to-satellite link transmissions should comply with the same directionality indicators as in the existing FSS allocations (Earth-to-space = from user space station to service provider space station, space-to-Earth =from service provider space station to user space station).APT Members are the view of that the use of these bands for satellite-to-satellite links needs to protect the FSS in these bands, taking into account that the parts of these frequency bands studied under the agenda item are the core FSS bands which are used for telecommunication infrastructure in many countries. APT Members are also the view of that significant additional work is required to develop a practical regulatory regime that will enable viable space-to-space operations (between both GSO and non-GSO service provider space stations and associated user non-GSO space stations) while at the same time ensuring that the space-to-space operation shall not cause unacceptable interference to other space services and nor claim protection from FSS. APT Members are of the view that currently there is no coordination procedure to protect other services, in particular FSS, from inter-satellite link, composed of GSO and non-GSO links. See Rules of Procedure in this regard.APT Members support satellite-to-satellite transmissions “within the cone of coverage” concept of operations.With respect to the studies carried out under this agenda, as contained in the report of CPM23-2, APT members support the exclusion of 11.7-12.2 GHz in Region 3 for this agenda item. APT Members are of the view that the technical conditions and regulatory provisions developed under WRC-23 agenda item 1.17 shall ensure not causing unacceptable interference and nor claim protection from the terrestrial services operating in the frequency band 27.5-29.5 GHz.APT Members are the view of that the notifying administration of satellite-to-satellite transmissions when submitting Appendix **4** data elements to the Bureau shall also send a firm commitment undertaking that in case of any interference to FSS or terrestrial services, shall immediately cease emission or reduce it to the acceptable level to the interfered assignments. |
| **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)** | CPM23-2/143 | CPM23-2/45 | CPM23-2/193 | APG23-5/INF-43 | APG23-5/INF-45 |
| **Summary of views/proposals** | Support to exclude the frequency band 11.7-12.7 GHz.Support hard limits for incumbent services protection. | Support to exclude the frequency band 11.7-12.7 GHz.Support to exclude the expanded-cone operation.Support the ISS identification.Support hard limits for incumbent services protection. | Support to exclude the frequency band 11.7-12.7 GHzSupport hard limits for incumbent services protection. | Support to exclude the frequency band 11.7-12.7 GHz.Support to ISS allocation with “within the cone” concept.Support to exclude the MSS bands in 29.1-29.5 GHz. | Protect incumbent services and no additional constraints. |
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| 1. **Summary of discussions during CPM23-2**
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| **Working documents/TEMPs etc** | [include number and hyper link to relevant working documents etc][DL-019e 02042023.docx](https://extranet.itu.int/rsg-meetings/cpm/Share/WG%204%20%28Chapter%204%29/SWG-4C%20a.i.%201.17/7th%20Meeting/DL-019e%2002042023.docx?d=w3269ced9ef224a83bc21fa369ad849a2) |
| SWG-4C a.i. 1.17 met 6 times. At the same time, SWG-4C a.i. 1.17 established five Drafting Group for terrestrial, GSO, NGSO and EESS protection and Article 5& Appendix 4 and discussed the relevant issues, respectively.At this stage, two methods are included in the CPM text. Method A is NOC, and Method B addresses the regulatory solution including alternatives depending on the type of allocation. Within Method B there are several options that are considered within each of the alternatives for necessary provisions to ensure the protection of incumbent services. |
| The exclusion of 11.7-12.7 GHz was agreed on the SWG-4C meeting level. |
| 1. **Issue(s) which require discussion and further guidance at APG Coordination meeting**
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| None |