**Report of the Agenda Item1.5 Coordinator during WRC-19**

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1. Agenda Item

**Agenda Item 1.5:** *to consider the use of the frequency bands 17.7-19.7 GHz (space-to-Earth) and 27.5-29.5 GHz (Earth-to-space) by earth stations in motion communicating with geostationary space stations in the fixed-satellite service and take appropriate action, in accordance with Resolution* ***158 (WRC-15)***

Resolution **158 (WRC-15)**: *Use of the frequency bands 17.7-19.7 GHz (space-to-Earth) and 27.5-29.5 GHz (Earth-to-space) by earth stations in motion communicating with geostationary space stations in the fixed-satellite service*

1. APT Common Proposals and APT Views for WRC-19 (which has been submitted to WRC-19)



APT Members support the ACP as shown here based on the input contributions and discussions during APG19-5.

1. Topics proposed by other regional Groups or ITU Members which are not included in no. 2 above

Contributions to WRC19 are as follows,

|  |  |  |
| --- | --- | --- |
| Doc No. | Author | Contents |
| 11A5 | CITEL | Common Proposal based on CPM Report |
| 12A5 | RCC | Common Proposal based on CPM Report |
| 16A5 | CEPT | Common Proposal based on CPM Report |
| 24A5 | APT | Common Proposal based on CPM Report |
| 28A5 | CHN | Proposal based on CPM Report |
| 29A5 | ASMG | Common Proposal based on CPM Report |
| 17 | IMO | Description to support the establishment of appropriate conditions for ESIM |
| 46A5 | ATU | Common Proposal based on CPM Report |
| 47A5 | AUS | Proposal based on ACP |
| 61A5 | KOR | Complement to 65 |
| 65 | J, KOR, SNG | Proposal based on CPM Report |
| 75 | SMO | Analysis against 61A5 |
| 89A5 | SADC | Common Proposal based on CPM Report |
| 92A5 | IND | Proposal based on CPM Report |
| 95 | SMO, VUT | Proposal based on CPM Report |

1. Progress of discussion during WRC-19 on the Agenda Item

* SWG5A2 met 15 times except 5 informal meetings until yesterday.
* To go forward, the chairman prepared regulatory text (draft new resolution). And started discussion on the document in the 7th meeting except aeronautical ESIM related part.
* Small informal group were formed to address the issues with regard to protection of terrestrial service from aeronautical ESIM(resolves 1.2.x and part2 of Annex2).
* Small informal group accepted the BR examination for the pfd mask conformity. However, the contents of examination are still under discussion.
* The numbers of agreed sections of the resolution are as follows.

|  |  |  |  |
| --- | --- | --- | --- |
| Sections | Subsections | Agreed | Comment |
| Footnote | 1 | 0 |  |
| Considering | 4 | 4 |  |
| Recognizing | 4 | 4 |  |
| resolves 1.1 | 11 | 10 | Space services |
| resolves 1.2 | 5 | 4 | Terrestrial services |
| resolves 2 | - | - | Deleted so far |
| resolves 3 | 1 | 1 |  |
| resolves 4 | 1 | 1 |  |
| resolves 5 | 3 | 3 |  |
| resolves 6 | 3 | 3 |  |
| resolves 7 | - | - | Copies of resolves 5. Should be deleted |
| resolves 8 | 1 | 1 |  |
| resolves further | 1 | 1 |  |
| instruct BR | 3 | 2 |  |
| invite administrations | 1 | 1 |  |
| invite ITU-R | 1 | 0 | Substitution of annex 3 in CPM |
| instruct SG | 1 | 1 |  |
| Annex1 | 3 | 3 | For non GEO satellite |
| Annex1 bis | 3 | 0 | For non GEO MSS feederlink |
| Annex2 | 8 | 5 | For terrestrial services from A/M-ESIM |
| Annex3 | 1 | 0 | Methodology of BR examination |
| Appendix 4 | 1 | 0 |  |
| Total | 57 | 44 | 77% agreed |

* The remaining major issues and actions to be taken are as follows.

|  |  |  |
| --- | --- | --- |
|  | Major remaining issues | Actions to be taken |
| 1 | Procedure of BR examination of ESIM whether it is within envelope of the satellite network | Chairman and BR are developing draft descriptions |
| 2 | Positioning of Annex 1 bis for protection of non GSO MSS feederlink | Offline discussion by CITEL and CEPT |
| 3 | Necessity of commitment of notifying administrations be sent to BR for interference removal | To be approved by floor |
| 4 | Description of responsibilities and roles to be developed by ITU-R(Annex 3 of CPM issue) | To be approved by floor |
| 5 | Maximum e.i.r.p of M-ESIM(Annex2 part I) reference bandwidth | Offline discussion by CITEL and CEPT |
| 6 | Pfd masks for A-ESIM to protect terrestrial services | Offline discussion by CITEL and CEPT |
| 7 | Methodology of BR examination for pfd mask conformity | To be approved by floor |

1. Issues which require discussion at APT Coordination Meetings and seek guidance thereafter

*Note: Coordinators are encouraged to conduct informal consultation with interested APT Members on the issues/topics under no. 3 and inform the outcomes of consultation to the Coordination Meeting*. *Coordinators can also organize coordination meetings on the respective agenda items whenever necessary.*