**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 is as follows,

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| 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

* Item1.5 is handled by SWG5A2 (Chairman: Mr. Mario Neri).
* SWG5A2 met 4 times. 4th meeting was technical session dealing with 61A5 and 75A5.
* Introduction of contributions have completed in the 1st meeting.
* SWG5A2 chairman prepared main issues(See below. 11issues identified by chairman. With ACP we would like to add one more) based compilation document and started detail discussion from 2nd meeting.
* In 4th meeting bilateral(with BR) is suggested to make the common understanding of the calculation among two contributions.

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| Isuue No | Title  Result(Status) | CPM reference |
| 1 | Relationship between ESIM and the satellite network under which they operate | *resolves* **1.1.1** |
| In this resolution envelope means envelope characteristic of satellite network and does not include envelope of coordination. |
| 2 | At which stage of the regulatory process of a satellite network can an ESIM operate? At which stage should the BR carry out an examination of the characteristics of ESIM with respect to those of the relative satellite network? | *resolves* **1.1.4** and **1.1.5** |
| Chairman will propose regulatory text to start compromise. |
| 3 | Does the resolution need to indicate specific provisions that ESIM should comply with to protect non-GSO MSS feeder-links? | *resolves* **1.1.7** |
| CITEL will consider whether the condition can be as guidance. |
| 4 | Should ESIM protect the future development of terrestrial services? | *resolves* **1.2.2** and **1.2.3** |
| 4bis | The Bureau shall examine the information with respect to its conformity with the pfd limits specified in Part 2 of Annex 2 on the Earth’s surface | *New resolves* **1.2.3** byACP and AUS |
| 5 | How does the administration responsible for ESIM ensure that they operate on a non-interference non-protection basis? | *resolves* **1.2.4** |
| 6 | Are the conditions indicated in Annex 2 sufficient to ensure the protection of terrestrial services | *resolves* **1.2.5** |
| 7 | Protection of other space services (Annex 1). To which band should the off-axis e.i.r.p. limits of an ESIM apply? | Provision ***1a)*** of **Annex 1** |
| 8 | Protection of other space services (Annex 1). Can the on-axis e.i.r.p. of an ESIM not meeting the limits in *1a)* be increased and/or decreased proportionately? | Provision ***1b)*** of **Annex 1** |
| 9 | Which are the technical, operational and regulatory conditions that would ensure that M-ESIM protect terrestrial services? | **Annex 2** |
| 10 | Which are the technical, operational and regulatory conditions that would ensure that A-ESIM protect terrestrial services? | **Annex 2** |
| 11 | Responsibilities of the administrations involved in the operation and authorisation of ESIM for the management of potential interference | **Annex 3** |

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.*