**Report of the Agenda Item Coordinator during WRC-19**

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1. Agenda Item
2. Issue 9.1.3: Resolution 157 (Rev.WRC-15) - Study of technical and operational issues and regulatory provisions for new non-geostationary-satellite orbit systems in the 3 700-4 200 MHz, 4 500-4 800 MHz, 5 925-6 425 MHz and 6 725-7 025 MHz frequency bands allocated to the fixed-satellite service.
3. Issue 9.1.9: Resolution 162 (WRC-15) - Studies relating to spectrum needs and possible allocation of the frequency band 51.4-52.4 GHz to the fixed-satellite service (Earth-to-space).
4. APT Common Proposals and APT Views for WRC-19 (which has been submitted to WRC-19)
5. Issue 9.1.3: APT Members support no change (NOC) to the Radio Regulations to satisfy agenda item 9.1, issue 9.1.3 based on study results of ITU-R for new non-GSO systems in the 3 700-4 200 MHz, 4 500-4 800 MHz, 5 925-6 425 MHz and 6 725-7 025 MHz frequency bands under the terms of Resolution 157 (WRC-15).
6. Issue 9.1.9: APT Members support a new primary allocation to the fixed-satellite service (Earth-to-space) in the frequency band 51.4-52.4 GHz limited to FSS gateway links for geostationary orbit use subject to regulatory provisions to ensure protection of currently allocated services in the same frequency band and in adjacent frequency bands.
7. Topics proposed by other regional Groups or ITU Members which are not included in no. 2 above
8. Issue 9.1.3: RCC proposed to establish a coordination procedure in the frequency bands 3 700-4 200 MHz and 5 925 6 425 MHz between non-GSO FSS systems under RR No. 9.12.
9. Issue 9.1.9

* Earth Station: some regional groups and administrations proposed that ES shall have a minimum antenna diameter of 2.4m and shall be notified at known locations on land with the aim to limit the new allocation to gateways operating in FSS GSO networks, and to monitor the total number of FSS earth stations notified in the frequency band 51.4-52.4 GHz and their deployment density in order to protect EESS (passive).
* Protection of EESS (passive): some regional groups and administrations support option 1 with some modification, for example, CITEL, USA. Most regional groups and administrations support option 2 or with some modification, for example, RCC, ASMG, ATU, CEPT, APT.

1. Progress of discussion during WRC-19 on the Agenda Item
2. Issue 9.1.3: none.
3. Issue 9.1.9

After last APT coordination meeting, two SWG 5A5 was held. Two issues were discussed:

* Antenna size of 4.5m/2.4m, and gateway definition requirements linked to Antenna size
* Refinement of ranges to specific values to protect non-GSO EESS

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

* For issue 9.1.3, is there any update for RCC proposal of establishing a coordination procedure in the C band between non-GSO FSS systems under RR No. 9.12?
* For issue 9.1.9, there are two issues:

1. Antenna size of 4.5m/2.4m
   * All regional groups agree to accept 2.4m with definition of gateway ES. This kind of ES shall be located at fixed known locations.
2. Specific values to protect non-GSO EESS

For stations brought into use after the date of entry into force of the Final Acts of WRC-19:

* + a power level of -37 dBW (between −39 to −34 dBW) in any 100 MHz of the EESS (passive) band for earth stations with antenna elevation angles lower than a value of 75° (between 74° to 78°);
  + a power level of -52 dBW (between −52 to −49 dBW) in any 100 MHz of the EESS (passive) band for earth stations with antenna elevation angles equal or higher than a value of 75°(between 74° to 78°).

*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.*