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

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1. Agenda Item 1.15

To consider identification of frequency bands for use by administrations for the land-mobile and fixed services applications operating in the frequency range 275-450 GHz, in accordance with Resolution **767 (WRC‑15)**

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

APT submitted a common proposal to add a new footnote to RR 5.565 identifying four sub-bands for fixed services and land & mobile services:
1st sub-band - 275-296 GHz
2nd sub-band - 306-313 GHz
3rd sub-band - 320-330 GHz (318-333 GHz as confirmed in the Nov 4 APT coordinator meeting)
4th sub-band - 356-450 GHz

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

Some regions proposed to the entire 275-450 GHz band for use by administrations for the implementation of the following active service applications

Other regions insisted that the wordings on the protection of passive services must be written carefully.

1. Progress of discussion during WRC-19 on the Agenda Item
* Seven meetings were held.
* Discussions were conducted on the text for the new footnote
	+ Paragraph 1 – the text on identified frequency bands for FS and LMS
	+ Paragraph 2 – the text on EESS (passive)
	+ Paragraph 3 – the text on RAS
* This is consistent with the APT common proposal
1. Issues which require discussion at APT Coordination Meetings and seek guidance thereafter

The wordings of the 3 paragraphs were heavily discussed and the wordings have changed frequently over the course of the last few meetings.

Compromised text was produced in the Nov 7 informal meeting.

Are APT members OK with the text?

For the operation of fixed and land mobile service applications in frequency bands in the range 275-450 GHz:

The frequency bands 275-296 GHz, 306-313 GHz, 318-333 GHz and 356-450 GHz [are identified for use] by administrations for the implementation of land-mobile and fixed service applications, where no specific conditions are necessary to protect Earth exploration-satellite service (passive) applications.

The frequency bands 296-306 GHz, 313-318 GHz, 333-356 GHz may only be used by fixed and land mobile service applications when specific conditions to ensure the protection of Earth exploration-satellite service (passive) applications are determined in accordance with Resolution **731 (Rev. WRC-19)**.

In the frequency range 275 - 450 GHz where radio astronomy applications are used, some specific conditions (e.g. minimum separation distances and/or avoidance angles) may be necessary to ensure protection of radio astronomy sites from land mobile and/or fixed service applications, on a case-by-case basis. (WRC 19)

The use of the above-mentioned frequency bands by land-mobile and fixed service applications does not preclude use and does not establish priority over any other applications of radio services in the range of 275-450 GHz.      (WRC‑19)

Addition to Resolution 731 (Rev. WRC 2019)

*Considering*

*d) that frequency bands in the range 275-1 000 GHz are identified for use by administrations for passive service applications in RR No.* ***5.565****, without precluding the use of this range by active services and urging administrations to take all practicable steps to protect the passive services from harmful interference*

*Invites ITU-R*

*2 to conduct studies to determine the specific conditions to be applied to the land mobile and fixed service applications to ensure the protection of Earth exploration-satellite service (passive) applications in the frequency bands 296-306 GHz, 313-318 GHz and 333-356 GHz;*