**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 - 318-333 GHz  
4th sub-band - 356-450 GHz

Two other paragraphs on protection of EESS (passive) and RAS were also proposed by APT.

NOC to RR 5.565.

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

None.

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

* Nine meetings were held, including two informal sessions.
* The three paragraphs of agreed text for the new footnote aligns with the APT Common Proposal:
  + 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
* All regional groups and administrations have achieved consensus on the new footnote and NOC to RR 5.565.
* The proposal is in [Temp Document 65](https://www.itu.int/md/R16-WRC19-191028-TD-0065/en), ready for discussion in WG 4B.
* Agreed text in blue font:

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 those portions of the frequency range 275-450 GHz where radio astronomy applications are used, 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 in accordance with Resolution **731 (Rev.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 No.* ***5.565****, without precluding the use of this range by active service applications and urging administrations to take all practicable steps to protect the passive service applications from harmful interference;*

*i) that interference criteria for passive sensors have been developed and are given in Recommendation ITU-R RS.2017;*

*j) that protection criteria for radio astronomy have been developed and are given in Recommendations ITU-R RA.769 and ITU-R RA.1513 and Report ITU-R RA.2189;*

*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;*

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

None.

Discussion will be done in WG 4B on Nov 11 afternoon.