

5GIF

National Workshop on Learnings from WRC-23 and the way forward Planning for WRC-27 and forthcoming ITU and APT meetings



Thursday, 22nd February, 2024 Hotel Hyatt Centric, MG Road, Bangalore

Reports from AWG-31



WORKING DOCUMENT TOWARDS A DRAFT NEW APT REPORT ON HAPS INDUSTRY AND ECOSYSTEM FOR BROADBAND CONNECTIVITY

Description of "underserved areas" concept, current and future situations of global "underserved areas" and related challenges, potential role of HAPS to address these challenges

The Applications and Use Cases

Spectrum

Ground and Air segment

Case Studies

Technology requirement

Working document towards a draft new APT Report on deployment approaches and solutions for IMT-2020/5G use case key deployment issues were discussed related to 5G deployment. Active and passive Sharing models

Coverage extensions

Price elasticity

Multi layer deployment



Reports from AWG-31

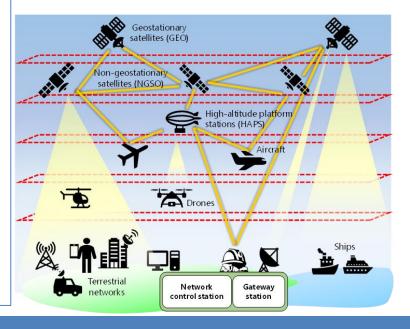


WORKPLAN FOR SHARING AND COMPATIBILITY STUDIES FOR SELECTED FREQUENCY BANDS BELOW 6 GHZ

To conduct sharing and compatibility studies to facilitate IMT implementation and not related to WRC-19 for the interested APT members: - 470-698 MHz - 1427-1452 MHz - IMT in 1492-1518 MHz and MSS in 1518-1525 MHz - 4400 – 4500 MHz - 4800 – 4990 MHz

WORKING DOCUMENT TOWARDS A PRELIMINARY DRAFT NEW APT REPORT ON [MULTI CONNECTIVITY FOR MULTILAYERED NETWORK ACCESS USING TERRESTRIAL AND SATELLITE SYSTEMS]

This document provide a very good view use case application and architecture for multi-layered Non Terrestrial network and also quick view on possible interworking .

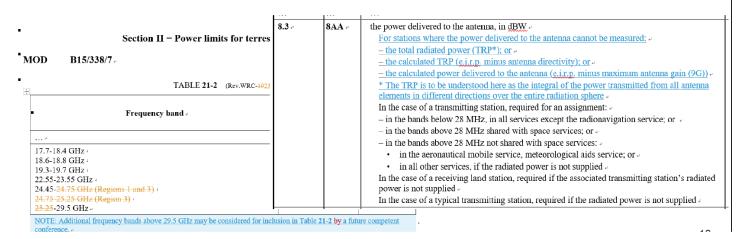


WRC-23 outcome on Art 21.5



Article 21.5 of the Radio Regulations

- WRC-23 decided NOC to Article 21.5.
- It was agreed to add a description of TRP under item 8AA in Appendix 4 of the Radio Regulations, without limiting the
 reference bandwidth of the base stations notified by administrations to ITU-R.
- The Conference agreed not to add any additional regulatory restriction to IMT systems in the 26 GHz band. The
 regulatory uncertainty associated with this band was then removed.



WP-5D (Feb-24): IMT characteristics



- ✓ New sub-working group has been formed specific to IMT characteristic considering work load.
- ✓ During WRC 23 cycle 5D was involved in development of AAS study to capture implementation and Theoretical aspects, however further development was suspended .
- ✓ WORKING DOCUMENT ON CHARACTERISTICS OF TERRESTRIAL COMPONENT OF IMT FOR SHARING AND COMPATIBILITY STUDIES IN
 PREPARATION FOR WRC-27
- ✓ LIAISON STATEMENT TO EXTERNAL ORGANIZATIONS Parameters of terrestrial component of IMT for sharing and compatibility studies in the frequency bands 4 400-4 800 MHz, 7 125-8 400 MHz and 14.8-15.35 GHz.
- ✓ Work plan for the working document on characteristics of terrestrial component of IMT for sharing and compatibility studies in preparation for WRC-27
- France, New Zealand has proposed new study item. :enhanced active antenna array radiation pattern model for imt base stations and user equipment's: R19-WP5D.AR-C-1307!!MSW-E (2): Carry FWD for next meeting

Satellite Characteristics?: We should also note advancement in satellite technology.





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