Bundesnetzagentur

# Session 12
# WRC-23 AI 1.1; 1.2; 1.3; 1.4; 1.5; 10

Alexander Kühn

Head of Section Int. Spectrum Managment

New Delhi, 18.10.2023

# WRC-23 AI 1.1

- **Balance of interest – protection of existing service**

- **Germany will not implement 4 800 - 4 990 MHz for IMT**

- **CEPT proposal**

CEPT therefore proposes new pfd values in RR No.**5.441B** which would apply to all countries listed in this footnote in order to protect AMS in the frequency band 4 800-4 825 MHz and 4 835-4 950 MHz and MMS in the frequency band 4 800-4 990 MHz. Both pfd values apply at 22 km from the coast, defined as the low-water mark, as officially recognized by the coastal State, i.e. at the border of the territorial seas.

# WRC-AI 1.2

# WRC-AI 1.2

1. **3 300 – 3 400 MHz**
   - **Region 1: NOC**
   - **Region 2: No interference / claim protection from Radiolocation**

2. **3 600 – 3 800 MHz (Region 2)**
   - **No position. Expectation that FSS will be protected.**

3. **10 – 10.5 GHz (Region 2)**
   - **Global protection of EESS (active) is essential.**
   - **Protection of Radiolocation systems expected.**

# WRC-AI 1.2 – 6 425 – 7 125 MHz

**CEPT is neither proposing nor supporting an IMT identification** of the frequency range 6425-7125 MHz **but could accept it if the conditions below are fulfilled.** If these conditions are not fulfilled, CEPT will support NOC (underlined). […]

1. the **protection of relevant primary services** is ensured (…);
2. **continued operation of other services** (i.e. those identified in RR Nos. **5.458** for EESS (passive) and **5.149** for Radioastronomy) is addressed (…) with **additionally new EESS (passive) primary allocations** in the bands 4.2 – 4.4 GHz, and 8.4 – 8.5 GHz, to allow the continued operation of Sea surface temperature (SST) measurements;
3. no limitations are imposed on the existing services and their future development;
4. the IMT Resolution clearly outlines opportunities for other broadband applications in the mobile services (i.e. WAS/RLAN) as well as sufficient flexibility regarding the future wireless broadband usage,[…]
5. WRC-23 does not approve an agenda item for WRC-27 studying additional IMT identifications in frequency bands between 7-30 GHz where IMT would have the potential to jeopardize important European space and governmental spectrum.

# WRC-AI 1.3 and 1.4

# WRC-AI 1.3 / 1.4

1. **3 600 – 3 800 MHz (Region 1)**
   - **Propose upgrade of MS to primary**
   - **Similar conditions as in 3 400 - 3 600 MHz**
   - IMT identification is not within the scope

2. **HIBS** in 694-960, 1710-1885 and 2500-2600 MHz
   - Propose regulatory provisions – different measures for protection in the bands and adjacent bands. HIBS at hights between 18 and 20 km.
   - Update of conditions pertaining to the IMT applications using high altitude platform stations (HAPS) in RR No. **5.388A** and Resolution **221 (Rev. WRC-07)**
   - **HIBS should be on a non-protection basis**
   - **BS in 694-960 MHz** needs a pfd limit.

# WRC-AI 1.5

# WRC-AI 1.5

1. **Addition of an MS allocation on a secondary basis**

2. **Modification of RR 5.296 to maintain global harmonisation for PMSE**

3. **Modification of Resolution 235 (Rev.WRC-19) to establish an upgrade to primary at WRC-31**

# WRC-AI 10

# WRC-AI 10

1. **No support for new AI on IMT identifications in 7-24 GHz.**
   - No information on possible sharing environment
   - IMT-2030 could use all identified bands, including 26/40/66 GHz
2. **No proposals on other bands (e.g. 4 GHz)**
3. **Noting: Direct-to-device**
   - New (complementary) MSS allocations in IMT bands.
4. **New proposals for WRC-27**

- FSS (E-to-s) 51.4-52.4 GHz for nGSO gateway earth stations.
- FSS Space-to-space links in C-band (3.7-4.2 and 5.9-6.4 GHz)
- Protection of RAS from aggregated interference from nGSO
- EESS (passive) allocation for SST, if WRC-23 does not do

Bundesnetzagentur

**“Lets make WRC-23 a success for everybody!“**

# Thank you!

Alexander Kühn
Head of International Spectrum Management

+49.228.141250
alexander.kuehn@bnetza.de