

# WRC-19 AND BEYOND FROM THE CEPT PERSPECTIVE

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**ITU Seminar for Europe and CIS  
on spectrum management  
and broadcasting**  
1-2 July 2020 – Remote meeting



# Outcome of WRC-19 for CEPT



Land mobile and fixed services

Broadband applications in MS

Satellite services

Science services

Maritime, aeronautical, amateur

General issues

Train/tracksides, ITS, **HAPS**, Services above 275 GHz

**IMT in mmWave**, RLAN 5 GHz, IMT & MSS 2 GHz, Protection criteria 5 GHz, M2M type communications

App. 30, **ESIM**, Non-GSO FSS Q/V band, **Satellite procedures**, IMT & BSS L-band, Non-GSO FSS C-band, FSS 50 GHz

Earth stations 400 MHz, **Upgrade EESS/MetSat**, Small satellites

Amateur 50 MHz, GMDSS, Maritime autonomous devices, VDES Satellite, GADSS, Sub-orbital flights

WPT, Unauthorised Earth stations, Future agenda



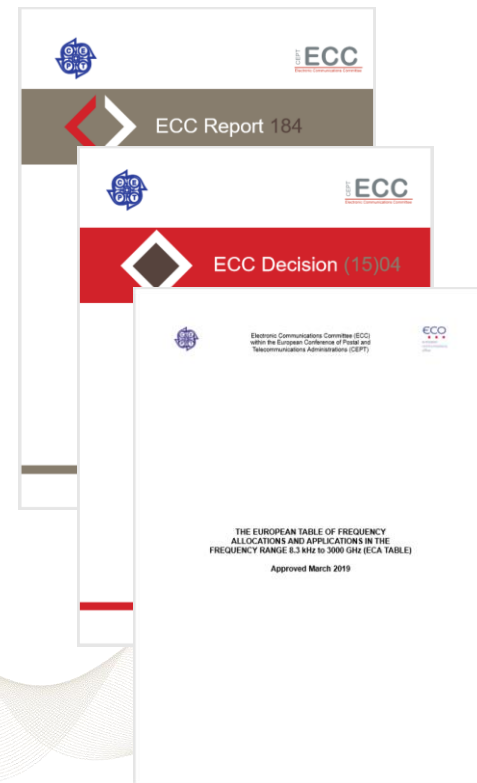
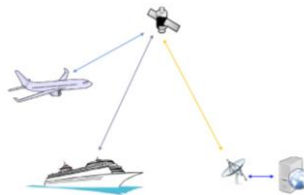
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# WRC-19 implementation

ECC Plenary (March'20) tasked **WG FM, WG SE and PT1** to review the outcome of WRC-19

Actions needed include:

- Update of the European Common Allocation Table to introduce the WRC-19 outcome
- Revision / amendment of existing ECC decisions / reports and development of new deliverables



Time frame for implementation : **2020-2021**

# Update of ECC Decision on 26 GHz band

## Unwanted emission limit from IMT base stations



Frequency range	Maximum Total Radiated Power (TRP) (see note)	Measurement bandwidth	<u>Entry into force</u>
23.6-24.0 GHz	- <u>3342</u> dBW	200 MHz	<u>Date of adoption of updated ECC Decision (18)06</u>
	- <u>39</u> dBW	<u>200</u> MHz	<u>1 January 2024</u>

two stages

*DECIDES*

*vs recognizing (WRC-19)*

*vs 1 September 2027 (WRC-19)*

4. that CEPT Administrations shall avoid deployment of high-density mobile systems incl. high-density fixed wireless access in the 22.0-23.6 GHz frequency band;

❖ The updated ECC Decision (18)06 is submitted to Public Consultation until August 2020

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# Agenda of WRC-23



*prominent issues*

**UHF review**

**IMT in mid-bands**

**Mobile service in 3.6-3.8 GHz**  
**HAPS for IMT (HIBS)**  
**IMT in fixed service bands**

**GSO ESIM**  
**NGSO ESIM**  
**Inter-satellite links**  
**Data collection via satellite**  
**Protection of Galileo**  
**Satellite procedures**

**Fixed satellite service**

**Unmanned aircraft systems**  
**Sub-orbital vehicles**  
**Aeronautical VHF comms.**  
**Aeronautical non-safety aps.**  
**Aeronautical systems digitisation**  
**GMDSS**

*from CEPT proposals to WRC-19*

**Space-borne radars**  
**Space weather sensors**  
**Earth exploration**  
**Space research**

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# CEPT studies towards WRC-23

## Conference Preparatory Group 2023

### PTA Science, Regulatory

- 1.12 Radar sounders
- 1.13 SRS 15 GHz
- 1.14 EESS(passive) 250 GHz
- 9.1a Space weather sensors
- 9.1d EESS(passive) 37 GHz
- 9.1c FWA / FS bands
- Res. 655 Time scale

### PTB Space

- 1.15 GSO ESIM Ku-band
- 1.16 NGSO ESIM Ka-band
- 1.17 Inter-satellite links
- 1.18 MSS data collection
- 1.19 FSS 17 GHz
- 7 Sat. procedures (Res. 86)
- 9.2 Inconsistencies in RR
- 9.3 Due diligence (Res. 80)
- CS Article 48

### PTC Aeronautical, Maritime, Radiodetermination

- 1.1 Review of 5.441B
- 1.6 Sub-orbital vehicles
- 1.7 AMS(R)S 137 MHz
- 1.8 Resolution 155
- 1.9 Appendix 27
- 1.10 AMS non-safety
- 1.11 GMDSS
- 9.1b Protection of RNSS
- Res427 Aero. provisions

### PTD UHF

- 1.5 UHF review

### ECC PT1 IMT

- 1.2 IMT centimetre bands
- 1.3 MS 3.6-3.8 GHz
- 1.4 HIBS
- Art. 21 Limit in No. 21.5 & updates to Table 21-2

- ❖ Project teams will have their first meetings in September-October 2020
- ❖ Next CPG meeting is scheduled on 8-11 December 2020 in Montreux, Switzerland

# Key to success

**Transparent preparation on a regional level**

**Open dialogue with all regional organisations**

**WRC-19 was successful ...**

**... WRC-23 will be also successful !**



**Thank you  
for your attention**

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## Further information

**General information:** <http://www.cept.org/ecc>

**CPG23 page:** <http://www.cept.org/ecc/groups/ecc/cpg>

**Coordinators:**

<https://www.cept.org/ecc/groups/ecc/cpg/page/list-of-cept-coordinators-wrc-23>

**CEPT Briefs / European Common Proposal to WRC-23:**

<https://www.cept.org/ecc/groups/ecc/cpg/page/cept-briefs-and-ecps-for-wrc-23>

**CPG23 Meeting Schedule:**

[https://cept.org/Documents/cpg/59213/cpg-20-info-06r2\\_cpg23-preliminary-schedule-2020-2023](https://cept.org/Documents/cpg/59213/cpg-20-info-06r2_cpg23-preliminary-schedule-2020-2023)