

# PREPARING CEPT VIEWS ON WRC-23 AND BEYOND

Alexandre Kholod, Chairman CEPT CPG Federal Office of Communications, Switzerland



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## **World Radiocommunication Conferences**





### WRC-23 timeline and process





## **CEPT Conference Preparatory Group**





## **CPG deliverables and tasks**



### **European Common Proposals for the work of the Conference**

Guideline: at least 10 CEPT members supporting and not more than 6 opposing the proposal

### **CEPT Briefs on agenda items**

(Preliminary) CEPT position agreed by consensus at each stage

Background information and reasoning for CEPT position

### **Common positions for ITU-R meetings**

CEPT contributions on agenda items

**Dialogue with other regional organisations** 



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### Agenda of WRC-23



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**IMT in FS** 

# Mobile agenda

10-10.5

GHz

470-694 3 300-3 400 3 600-3 800 MHz // MHz // MHz //

> A long term balance between meeting various national requirements and effective crossborder coordination between BS and MS applications in 470-694 MHz is at stake.

6 425-7 025

MHz

7 025-7 125

MHz

Protection of radiolocation service is essential in 3 300-3 400 MHz. No IMT identification in that band for the entire Region 1.

4 800-4 990

MHz

If upgraded to primary, the use of 3 600-3 800 MHz by the mobile service in CEPT should continue under the existing regulatory framework.

Stations of aeronautical and maritime mobile service located in international airspace or waters and operated in 4 800-4 990 MHz shall be protected by setting a pfd limitation and operated in 4 800-4 990 MHz shall be protected by setting a pfd limitation and operated in the setting a pfd li

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IMT in FS

# Mobile agenda

470-694 MHz 3 300-3 400 3 600-3 800 MHz / MHz /

4 800-4 990 MHz

0 6 425-7 025 MHz

7 025-7 125 MHz 10-10.5 GHz 🧹

Results of sharing studies will be decisive for IMT and incumbents in 6 425-7 025 MHz (in Region 1) and 7 025-7 125 MHz (globally). CEPT position to be developed yet.

Global coverage of Earth Exploration Satellite systems shall not be impacted by identification of 10.0-10.5 GHz frequency band for IMT in Region 2.

No changes to Radio Regulations are necessary to address the usage of the frequency bands allocated to the Fixed Service by IMT technologies.

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# Satellite issues at WRC-23

#### Protect existing satellite usage

Potential IMT identification in mid-bands

Potential Mobile Service allocation in 3 600-3 800 MHz in Region 1

Potential use of IMT technologies in Fixed Service bands

### Strengthen the use of existing spectrum

Use of FSS networks to communicate with UAS GSO FSS earth stations on aircraft and vessels in Ku-band

NGSO Earth stations in motion in Ka-band

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#### Allocate new spectrum for satellites

New ISS allocations for inter-satellite links in Ku- and Ka-bands

New MSS allocations for data collection systems

New FSS (s-E) allocation in 17.3-17.7 GHz in Region 2

#### Improve satellite spectrum regulation

Satellite procedures Inconsistencies in Radio Regulations Due diligence in using the spectrum/orbits



# Preliminary agenda of WRC-27

### Resolution 812 (WRC-19) includes 13 preliminary agenda items

### FIXED & MOBILE

FS protection in E-band MS allocation in 1 300-1 350 MHz IMT aeronautical mobile in 694-960 MHz

### SATELLITE

GSO ESIM in Q band FSS allocation in 43.5-45.5 GHz NGSO FSS feeder links NGSO/GSO space-to-space links MSS for narrowband systems

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### SCIENCE

Passive services protection in E-band Space weather sensors EESS allocation in 22.55-23.15 GHz

### MISCELANEOUS

Radiolocation in 230-700 GHz – VHF maritime frequencies

proposed by CEPT for WRC-23



# **Final remarks**



### A lot is at stake for many industries

Quality of the WRC-23 decisions will be dependent on the quality of studies

### Policy makers aim to get it right for all stakeholders



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# Thank you for your attention

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