



**CTU  
SPECTRUM MANAGEMENT  
TASK FORCE  
WRC-23  
AGENDA ITEM BRIEFING**

**29 JUNE 2021  
Carmelo Rivera**

# CITEL WRC-23 SGT-1

- SGT-1 – Mobile, Fixed and Broadcast
- Agenda Items 1.1, 1.2, 1.3, 1.4, 1.5, 9.1(C), 9.2 Terrestrial
- Coordinator – Amy Sanders (USA) – [asanders@ntia.gov](mailto:asanders@ntia.gov)
- Alternate Coordinator – Jose Costa (CAN) – [jose.costa@ericsson.com](mailto:jose.costa@ericsson.com)

# Agenda Item 1.1

to consider, based on the results of the ITU-R studies, possible measures to address, in the frequency band 4 800-4 990 MHz, protection of stations of the aeronautical and maritime mobile services located in international airspace and waters from other stations located within national territories, and to review the pfd criteria in No. **5.441B** in accordance with Resolution **223 (Rev.WRC-19)**;

## 5.441B

- ...The use of IMT stations is subject to agreement obtained under No. **9.21** with concerned administrations, and IMT stations shall not claim protection from stations of other applications of the mobile service. In addition, before an administration brings into use an IMT station in the mobile service, it shall ensure that the power flux-density (pfd) produced by this station does not exceed **-155 dB(W/(m<sup>2</sup> · 1 MHz))** produced up to 19 km above sea level at 20 km from the coast, defined as the low-water mark, as officially recognized by the coastal State. This pfd criterion is subject to review at WRC-23. Resolution **223 (Rev.WRC-19)** applies. This identification shall be effective after WRC-19. (WRC-19)

# Agenda Item 1.2

to consider identification of the frequency bands 3 300-3 400 MHz, 3 600-3 800 MHz, 6 425-7 025 MHz, 7 025-7 125 MHz and 10.0-10.5 GHz for International Mobile Telecommunications (IMT), including possible additional allocations to the mobile service on a primary basis, in accordance with Resolution **COM6/2 (WRC-19)**;

# Agenda item 1.3

to consider primary allocation of the band 3 600-3 800 MHz to mobile service within Region 1 and take appropriate regulatory actions, in accordance with **Resolution COM6/3 (WRC-19)**;

# Agenda Item 1.4

to consider, in accordance with Resolution **COM6/4 (WRC-19)**, the use of high-altitude platform stations as IMT base stations (HIBS) in the mobile service in certain frequency bands below 2.7 GHz already identified for IMT, on a global or regional level;

# Agenda Item 1.5

to review the spectrum use and spectrum needs of existing services in the frequency band 470-960 MHz in Region 1 and consider possible regulatory actions in the frequency band 470-694 MHz in Region 1 on the basis of the review in accordance with Resolution **235 (WRC-19)**;



# Agenda Item 9.1 Topic C

- 9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention;

- 9.1 on the activities of the Radiocommunication Sector since WRC-19:

9.1.3 Study the use of International Mobile Telecommunication system for fixed wireless broadband in the frequency bands allocated to the fixed services on primary basis, in accordance with Resolution **COM6/18 (WRC-19)**;

## Agenda Item 9.2 (Terrestrial)

on any difficulties or inconsistencies encountered in the application of the Radio Regulations;

This agenda sub-item is strictly limited to the Report of the Director on any difficulties or inconsistencies encountered in the application of the Radio Regulations and the comments from administrations.

Administrations are invited to inform the Director of the Radiocommunication Bureau of any difficulties or inconsistencies encountered in the Radio Regulations.

# CITEL WRC-23 SGT-2

- SGT-2 – Radiolocation, Maritime, Aeronautical
- Agenda Items 1.6, 1.7, 1.8, 1.9, 1.10, 1.11
- Coordinator – Michael Razi (CAN) – [mrazi@parscom.ca](mailto:mrazi@parscom.ca)
- Alternate Coordinator – [Jesus Romero (MEX)]

# Agenda Item 1.6

to consider, in accordance with Resolution **COM6/5 (WRC-19)**, regulatory provisions to facilitate radiocommunications for sub-orbital vehicles;

# Agenda Item 1.7

to consider a new aeronautical mobile-satellite (R) service (AMS(R)S) allocation in accordance with Resolution **COM6/6 (WRC-19)** for both the Earth-to-space and space-to-Earth directions of aeronautical VHF communications in all or part of the frequency band 117.975-137 MHz, while preventing any undue constraints on existing VHF systems operating in the AM(R)S, the ARNS, and in adjacent frequency bands;

# Agenda Item 1.8

to consider, on the basis of ITU-R studies in accordance with Resolution **COM6/7 (WRC-19)**, appropriate regulatory actions, with a view to reviewing and, if necessary, revising Resolution **155 (Rev.WRC-19)** and No. **5.484B** to accommodate the use of fixed-satellite service (FSS) networks by control and non-payload communications of unmanned aircraft systems;

# Agenda Item 1.9

to review Appendix **27** of the Radio Regulations and consider appropriate regulatory actions and updates based on ITU-R studies, in order to accommodate digital technologies for commercial aviation safety-of-life applications in existing HF bands allocated to the aeronautical mobile (route) service and ensure coexistence of current HF systems alongside modernized HF systems, in accordance with Resolution **COM6/8 (WRC-19)**;

# Agenda Item 1.10

to conduct studies on spectrum needs, coexistence with radiocommunication services and regulatory measures for possible new allocations for the aeronautical mobile service for the use of non-safety aeronautical mobile applications, in accordance with Resolution **COM6/9 (WRC-19)**;



# Agenda Item 1.11

to consider possible regulatory actions to support the modernization of the Global Maritime Distress and Safety System and the implementation of e-navigation, in accordance with Resolution **361 (Rev.WRC-19)**;

# CITEL WRC-23 SGT-3

- SGT-3 – Science Services
- Agenda Items 1.12, 1.13, 1.14, 9.1(A)
- Coordinator – TBD
- Alternate Coordinator – Serafin Chavez (MEX) – [chavez.serafin@aem.gob.mx](mailto:chavez.serafin@aem.gob.mx)

# Agenda Item 1.12

to conduct, and complete in time for WRC-23, studies for a possible new secondary allocation to the Earth exploration-satellite (active) service for spaceborne radar sounders within the range of frequencies around 45 MHz, taking into account the protection of incumbent services, including in adjacent bands, in accordance with Resolution **656 (Rev.WRC-19)**;

# Agenda Item 1.13

to consider a possible upgrade of the allocation of the frequency band 14.8-15.35 GHz to the space research service, in accordance with Resolution **COM6/10 (WRC-19)**;

# Agenda Item 1.14

to review and consider possible adjustments of the existing or possible new primary frequency allocations to EESS (passive) in the frequency range 231.5-252 GHz, to ensure alignment with more up-to-date remote-sensing observation requirements, in accordance with Resolution **COM6/11 (WRC-19)**;

# Agenda Item 9.1 Topic A

- 9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention;
- 9.1 on the activities of the Radiocommunication Sector since WRC-19:

9.1.1 In accordance with Resolution **657 (Rev.WRC-19)**, review the results of studies relating to the technical and operational characteristics, spectrum requirements and appropriate radio service designations for space weather sensors with a view to describing appropriate recognition and protection in the Radio Regulations without placing additional constraints on incumbent services;

# CITEL WRC-23 SGT-4

- SGT-4 – Satellite Services
- Agenda Items 1.15, 1.16, 1.17, 1.18, 1.19, 7, 9.2 (Satellite), 9.3
- Coordinator – Afonso Rocha (B) – [afonsor@anatel.gov.br](mailto:afonsor@anatel.gov.br)
- Alternate Coordinator – Dionisio Manuel Tun Molina (MEX) – [tun.dionisio@aem.gob.mx](mailto:tun.dionisio@aem.gob.mx)

# Agenda Item 1.15

to harmonize the use of the frequency band 12.75-13.25 GHz (Earth-to-space) by earth stations on aircraft and vessels communicating with geostationary space stations in the fixed-satellite service globally, in accordance with Resolution **COM6/12 (WRC-19)**;



# Agenda Item 1.16

to study and develop technical, operational and regulatory measures, as appropriate, to facilitate the use of the frequency bands 17.7-18.6 GHz and 18.8-19.3 GHz and 19.7-20.2 GHz (space-to-Earth) and 27.5-29.1 GHz and 29.5-30 GHz (Earth-to-space) by non-GSO FSS earth stations in motion, while ensuring due protection of existing services in those frequency bands, in accordance with Resolution **COM6/13 (WRC-19)**;

# Agenda Item 1.17

to determine and carry out, on the basis of the ITU-R studies in accordance with Resolution **COM6/14 (WRC-19)**, the appropriate regulatory actions for the provision of inter-satellite links in specific frequency bands, or portions thereof, by adding an inter-satellite service allocation where appropriate;

# Agenda Item 1.18

to consider studies relating to spectrum needs and potential new allocations to the mobile-satellite service for future development of narrowband mobile-satellite systems, in accordance with Resolution **COM6/15 (WRC-19)**;

# Agenda Item 1.19

to consider a new primary allocation to the fixed-satellite service in the space-to-Earth direction in the frequency band 17.3-17.7 GHz in Region 2, while protecting existing primary services in the band, in accordance with Resolution **COM6/16 (WRC-19)**;

# Agenda Item 7

to consider possible changes, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference, on advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution **86 (Rev.WRC-07)**, in order to facilitate the rational, efficient and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;

# Agenda Item 9.2 Satellite

- 9.2 on any difficulties or inconsistencies encountered in the application of the Radio Regulations;
- This agenda sub-item is strictly limited to the Report of the Director on any difficulties or inconsistencies encountered in the application of the Radio Regulations and the comments from administrations. Administrations are invited to inform the Director of the Radiocommunication Bureau of any difficulties or inconsistencies encountered in the Radio Regulations.

# Agenda Item 9.3

on action in response to Resolution **80 (Rev.WRC-07)**;

# CITEL WRC-23 SGT-5

- SGT-5 – General regulatory, Future work & Other
- Agenda Items 2, 4, 9.1B, 9.1D, 10
- Coordinator – Carol Sosa Leguizamon (CLM) - [carol.sosa@ane.gov.co](mailto:carol.sosa@ane.gov.co)
- Alternate Coordinator – Kenji Kuramochi (PRG) – [kenji@conatel.gov.py](mailto:kenji@conatel.gov.py)



# Agenda Item 2

to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with *further resolves* of Resolution **27 (Rev.WRC-19)**, and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with the principles contained in *resolves* of that Resolution;

# Agenda Item 4

in accordance with Resolution **95 (Rev.WRC-19)**, to review the Resolutions and Recommendations of previous conferences with a view to their possible revision, replacement or abrogation;

# Agenda Item 9.1 Topic B

- 9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention;
- 9.1 on the activities of the Radiocommunication Sector since WRC-19:

9.1.2 Review of the amateur service and the amateur-satellite service allocations in the frequency band 1 240-1 300 MHz to determine if additional measures are required to ensure protection of the radionavigation-satellite (space-to-Earth) service operating in the same band in accordance with Resolution **COM6/17 (WRC-19)**;

# Agenda Item 9.1 Topic D

- 9 to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention;
- 9.1 on the activities of the Radiocommunication Sector since WRC-19:

9.1.4 to review protection of EESS (passive) in the Frequency band 36-17 GHz from non-GSO FSS space stations

# Agenda Item 10

Future Agenda Items

# Upcoming Dates

- Next CITELE PCC.II meeting scheduled for November 8 – 12, 2021 hosted by Mexico and will most likely be a virtual meeting
- WRC-23 CPM2 scheduled March 27 – April 7, 2023 in Geneva but may change if there is a host country
- Radiocommunication Assembly scheduled 13-17 November, 2023
- WRC-23 scheduled November 20 – December 15, 2023 in Abu Dhabi or Dubai to be confirmed later
- WRC-27 CPM1 scheduled 18-19 December, 2023

# Any Questions?

Thank you!

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