



| ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY





ICAO WRC-27 Preparatory Workshop

ITU Preparatory process towards WRC-27

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Terrestrial Services Department,
Radiocommunication Bureau
ITU*

Workshop on ITU World Radiocommunication Conference 2027 for AFI Region,
(Dakar, Senegal, 2-3 March 2026)



International Telecommunication Union



- United Nations specialized agency (Established in 1865)
- Headquartered in Geneva, Switzerland
- 194 Member states, 800 private-sector entities and academic institutions, 12 regional and area offices
- 700 staff from 80 countries, 6 official languages



ITU-T
*Telecommunication
Standardization*

*Development of technical standards for the **interconnection, security and interoperability of telecommunications networks, systems and services***



ITU-D
Development

*Extension of Information and communication technologies (ICTs) to all the world's inhabitants, **narrowing the digital divide***



ITU-R
Radiocommunication

*Development of regulations and best practices for the **regional and international use of radio spectrum and satellite orbits***

ITU-R Mission

Allocation of bands of the radiofrequency spectrum, allotment of radio frequencies and registration of radio frequency assignments and of any associated orbital position in the geostationary satellite orbit

Implementation of the Radio Regulations and regional agreements, and update of these instruments in an efficient and timely manner through the processes of world and regional radiocommunication conferences



Coordination of efforts to eliminate harmful interference between radio stations of different countries and to improve the use made of radio-frequencies and of the geostationary-satellite orbit for radiocommunication services

Elaboration of Recommendations intended to assure the necessary performance and quality in operating radiocommunication systems (<https://www.itu.int/pub/R-REC>)

Technical assistance and capacity-building support to developing countries in implementing the provisions of the radio regulations

Allocations of aeronautical bands at WRCs



1927, Washington First definitions of aeronautical and aircraft stations, allocations to aeronautical mobile service in LF and MF bands, e.g. 315–350 kHz.
1938, Cairo Exclusive allocations to HF aeronautical services between 6500 and 23380 kHz.
1947, Atlantic City Allocations of 108–118 MHz for ARNS and 118–132 MHz to the aeronautical mobile service.
1959/1964/1966, Geneva Establishment and revision of the allotment plan for HF aeronautical mobile (R) service.
1963, Geneva First Conference dealing with satellite issues. Allocation of frequency bands for communication-satellite and radionavigation-satellite services.
1971, Geneva Introduction of the aeronautical mobile-satellite service and allocations to it in 1.5/1.6 GHz band. Allocation of 406–406.1 to Cospas-Sarsat.
...
2015, Geneva Allocation of spectrum for WAIC, GFT.
2019, Sharm El-Sheikh No decision on GADSS.
2023, Dubai New AMS(R)S VHF allocation / Digital technology for aviation safety-of-life applications in HF (App.27).



WRC Objectives

- **Allocate spectrum for emerging radio applications, while protecting the existing usage** (example: *spectrum for space-based VHF -> protection of adjacent science services*)
- **Maintain the right balance between the spectrum allocated to radiocommunication services** (*reasonable spectrum requirements and and objective sharing studies*)
- **Achieve global interoperability of equipment, spectrum harmonization for economies of scale** (*especially relevant for maritime, aeronautical, cellular systems*)
- **Create regulatory certainty for users, regulators and telecom industry** (*prerequisite for stable investments and development of the industry*)



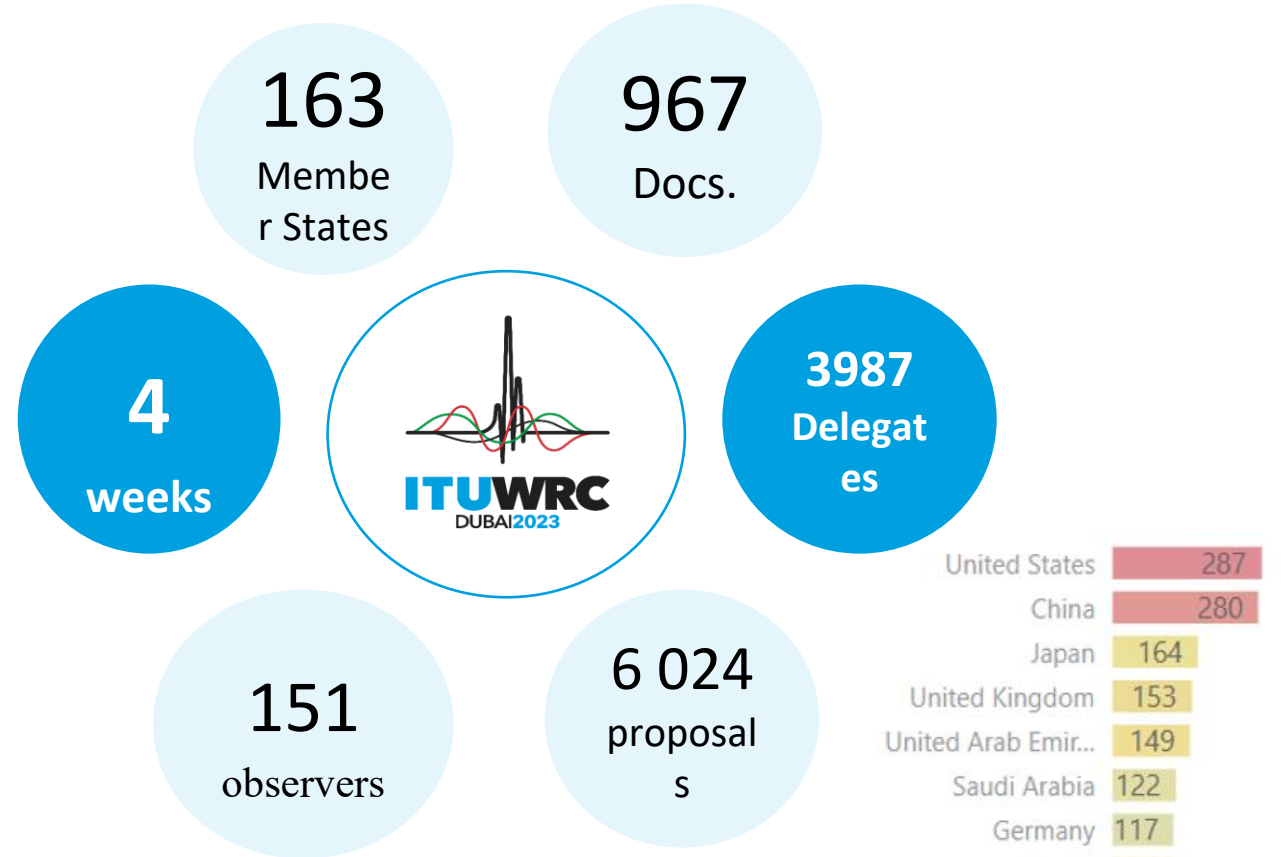
WRC evolution

IRTC-1906 ('WRC-1906')

10 days
120 participants
30 countries



WRC-23

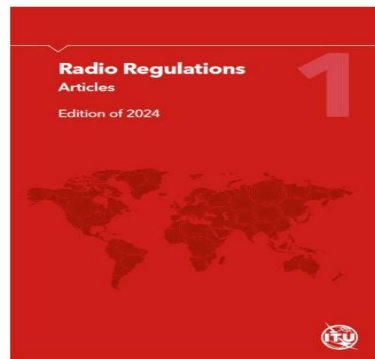


WRCs are held every 3-4 years

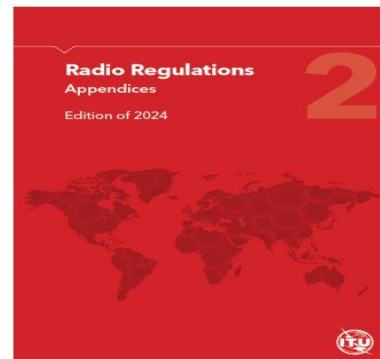


ITU Radio Regulations

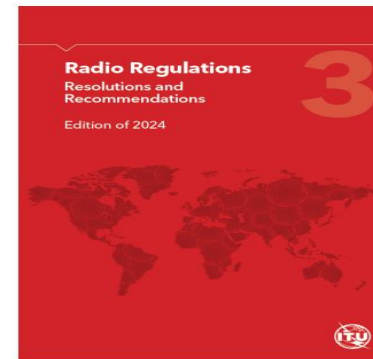
- World Radiocommunication Conferences develop and update **the Radio Regulations** (RR)
- RR contain international rules for use of spectrum and satellite orbits
- RR is an intergovernmental treaty: mandatory for application by ITU Member States
- Main goals of the RR:
 - interference free operation of stations
 - harmonization of spectrum spectrum/orbit use



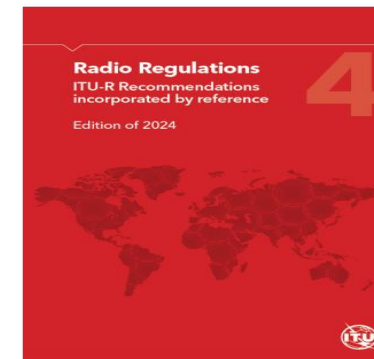
VOLUME 1:
Articles
(62)



VOLUME 2:
Appendices
(23)*



VOLUME 3:
Resolutions (202)*
and
Recommendations (25)*



VOLUME 4:
ITU-R Recommendations
incorporated by reference
(39)*

RR edition 2024 entered into force on 1.01.25, available in 6 UN languages at [Radio Regulations - ITU](#)



WRC-27 preparation cycle





Important steps of WRC process

Agenda – determines the scope of discussions

- Agenda is important, stable. It has a legal notion

ITU-R Studies – heart of all WRC preparations

- Making sure that all interference scenarios are analysed and cleared, to keep interference within manageable limits

WRC – allocates bands and establishes operational conditions for newly allocated services

- WRC is treaty making Conference, so the final say remains with ITU Member States

ICAO participates in all preparation steps (CPM, studies, WRC), except decision making at WRC



ITU-R Preparatory Studies for WRC-27

Resolution 813 (WRC-23) (ex.COM6/23) contains the WRC-27 agenda.

www.itu.int/go/rcpm-wrc-27-studies

WRC-27 agenda Item (Chapter)	Topic	WRC Resolution (*)	Responsible Group(s)	Information from Responsible Group(s) ^{ITFES}
1		-	-	-
1.1 (1)		Res.176 (Rev.WRC-23)	WP 4A	Doc. 4A/128 Annex 1 (b), Doc. 4A/830 (d) Sec. 1, 2.8.1, 2.8.3, 3.3, 3.3.1.1, 3.3.5, 4, 4.1.2, 4.3, 5, Annex 1 (c), Annex 2
1.2 (1)		Res.129 (WRC-23) (ex.COM6/1)	WP 4A (1)	Doc. 4A/128 Annex 3 (b), Doc. 4A/830 (d) Sec. 1, 2.8.1, 2.8.3, 3.3, 3.3.2, 3.3.5, 4, 4.3, 5, Annex 4 (c), Annex 5 (Part 1, Part 2, Part 3, Part 4, Part 5, Part 6)
1.3 (1)		Res.130 (WRC-23) (ex.COM6/3)	WP 4A	Doc. 4A/567 Annex 6 (b), Doc. 4A/830 (d) Sec. 1, 2.8.1, 2.8.3, 3.2, 3.2.1, 3.2.7, 4, 4.1.3, 4.3, 5, Annex 6 (c), Annex 7 (Part 1)
1.4 (1)		Res.726 (WRC-23) (ex.COM6/24)	WP 4A	Doc. 4A/830 (d) Sec. 1, 2.8.1, 2.8.3, 3.3, 3.3.4, 3.3.5, 4, 4.1.2, 4.3, 5, Annex 8 (c), Annex 9, Annex 10 (b)
1.5 (1)		Res.14 (WRC-23) (ex.COM6/6)	WP 4A	Doc. 4A/830 (d) Sec. 1, 2.8.1, 3.4, 3.4.1, 3.4.4, 4, 4.3, 5, Annex 11 (c), Annex 12
1.6 (1)		Res.131 (WRC-23) (ex.COM6/7)	WP 4A	Doc. 4A/128 Annex 11 (b), Doc. 4A/567 Annex 12, Doc. 4A/830 (d) Sec. 1, 2.8.1, 3.4, 3.4.2, 3.4.4, 4, 4.3, 5, Annex 13 (c)
1.7 (2)		Res.256 (WRC-23) (ex.COM6/26)	WP 5D	Doc. 5D/989 (d) (a), Chapter 7 (a), Doc. 5D/1191 (d) (a), Chapter 1 (a), Chapter 2 (a), Annex 2.9.8 (b), Chapter 4 (a), Annexes 4.1, 4.2 (c), 4.3, 4.4 (4.5, 4.6, 4.7, 4.8, 4.9, 4.10), 4.11 (4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18, 4.19, 4.20, 4.21, 4.22, 4.23, 4.24, 4.25), 4.26 (4.27, 4.28, 4.29, 4.30), 4.31, Chapter 6 (a)
1.8 (2)		Res.663 (Rev.WRC-23)	WP 5B	Doc. 5B/435 (d) Sec. 3, 4.1, 4.4, 5, Chapter 1 (a) - Annex 1.8 (f), Annex 1.9 (c), Annex 1.10 (e)
1.9 (2)		Res.411 (WRC-23) (ex.COM6/2)	WP 5B	Doc. 5B/96 Annex 1 (b), Doc. 5B/435 (d) Sec. 3, 4.6, 4.6.1, 4.10.1, 5, Chapter 2 (a) - Annex 2.7 (c), Annex 2.8 (f)
1.10 (2)		Res.775 (Rev.WRC-23)	WP 5C (2)	Doc. 5C/271 (d) Sec. 3.1, 3.2.1, 3.2.2, 3.3.5, 3.3.6, 4, 5 & Attachment 2, Annex 1 (a), Annex 1.5 (e), Annex 2 (a), Annex 2.3 (c), Annex 2.4 (Part 1, Part 2, Part 3, Part 4), Annex 4 (a)(b)
1.11 (3)		Res.249 (Rev.WRC-23)	WP 4C	Doc. 4C/356 (d) Sec. 2.3, 2.4, 3.1.1, 3.1.5.1, 3.2.7, 4.1.5.4, 4.2, 4.2.1, 4.2.3, Annex 1 (c), Annex 2, Annex 3 (b), Annex 19
1.12 (3)		Res.252 (WRC-23) (ex.COM6/8)	WP 4C	Doc. 4C/356 (d) Sec. 2.3, 2.4, 3.1.2, 3.1.5.1, 3.1.5.2, 4.1, 4.1.1, 4.1.5.2, 4.1.5.4, 4.1.5.5, Annex 4, Annex 5 (b), Annex 13, Annex 19
1.13 (3)		Res.253 (WRC-23) (ex.COM6/9)	WP 4C (3)	Doc. 4C/356 (d) Sec. 2.2, 2.3, 2.4, 3.1.2, 3.1.3, 3.1.5.1, 3.1.5.2, 3.2.7, 4.1, 4.1.2, 4.1.2.1, 4.1.5.2, 4.1.5.4, 4.1.5.5, 4.1.5.6, 4.2.3, Annex 6, Annex 7 (Part 1), Annex 8 (b), Annex 9, Annex 13, Annex 19
1.14 (3)		Res.254 (WRC-23) (ex.COM6/10)	WP 4C	Doc. 4C/356 (d) Sec. 2.3, 2.4, 3.1.2, 3.1.4, 3.1.5.1, 3.1.5.2, 4.1, 4.1.3, 4.1.5.2, 4.1.5.4, 4.1.5.5, Annex 10, Annex 11 (c), Annex 12 (b), Annex 13, Annex 19

WRC-27 agenda Item (Chapter)	Topic	WRC Resolution (*)	Responsible Group(s)	Information from Responsible Group(s) ^{ITFES}
1.15 (4)		Res.680 (WRC-23) (ex.COM6/4)	WP 7B	Doc. 7B/192 (d) Sec. 1, 2.2, 3.2, 3.2.1 to 3.2.9, 3.4.1, 4, Annex 1 (f), Annex 2 (c), Annex 3 (b)
1.16 (4)		Res.681 (WRC-23) (ex.COM6/11)	WP 7D	Doc. 7D/186 Annex 1 (b), Doc. 7D/235 (d) Sec. 1, 2, 2.1, 2.2, 2.2.1, 4, 5, Annex 1 (f), Annex 2 (c), Annex 3, Annex 25 (c)
1.17 (4)		Res.682 (WRC-23) (ex.COM6/12)	WP 7C	Doc. 7C/317 (d) Sec. 2.1, 2.2, 4, 4.1+sub-sec., 6.1, 8.1 Table 2, Annex 9 (e), Annex 10 (f), Annex 11 (c)
1.18 (4)		Res.712 (WRC-23) (ex.COM6/5)	WP 7C WP 7D (4)	Doc. 7C/236 Annex 11 (b), Doc. 7C/317 (d) Sec. 2.1, 2.2, 2.4, 5.2, 6.1, 8.1 Table 3, Annex 13 (f), Annex 14 (c), Annex 15 Doc. 7D/235 (d) Sec. 1, 2, 2.1, 2.2, 2.2.2, 4, 5, Annex 4 (b), Annex 5 (e), Annex 6, Annex 7, Annex 8 (c)
1.19 (4)		Res.674 (WRC-23) (ex.COM4/8)	WP 7C	Doc. 7C/317 (d) Sec. 2.1, 2.2, 5.1, 6.1, 8.1 Table 3, Annex 16 (f), Annex 17 (c), Annex 18 (b)
2 (5)		Res.27 (Rev.WRC-19)	CPM27-2	See BR Administrative Circular CA/270 (a)
3		-	-	Outside scope of the CPM
4 (5)		Res.95 (Rev.WRC-19)	CPM27-2	See BR Administrative Circular CA/270 (a)
5		-	-	Outside scope of the CPM
6		-	-	Outside scope of the CPM
7 (1)		Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/830 (d) (a), Annex 14 (b), Annex 37 (Part 1), Annex 38 (Part 1), Annex 39, Annex 40, Annex 41, Annex 42, Annex 43, Annex 44, Annex 45, Annex 46, Annex 47, Annex 48 (Part 1), Annex 49, Annex 50, Annex 51, Annex 52, Annex 53
	A (1)	Res.86 (Rev.WRC-07)	WP 4A	Topic yet to be identified, if any
8		Res.26 (Rev.WRC-23)	CPM27-2 for information only	See BR Administrative Circular CA/270 (a)
9		-	-	-
9.1		-	-	-
9.2		-	-	-
9.3		Res.80 (Rev.WRC-07)	-	-
10		Res.804 (Rev.WRC-23) - Res. 814 (WRC-23) (ex.COM6/25)	See studies on items of the WRC-31 preliminary agenda	See studies on items of the WRC-31 preliminary agenda (updated 6 November 2025)

- As of 25 February 2026
- Updated on a regular basis after

Notes related to the information from the Responsible Groups	
a	Relevant part
b	Framework/Work Plan/Milestones/Organization of studies
c	Draft CPM text or working document towards draft CPM text
d	Chair's Report of the meeting (folder with annexes)
e	Annex including a DN or DR Rec., a PDN or PDR Rec., or WDPDN or WDPDR Rec.
f	Annex including a DN or DR Rep., a PDN or PDR Rep., or a WDPDN or WDPDR Rep.



National and regional preparations

National preparations

- Starting point of WRCs process. Development of a national position, which is injected in regional and international discussions
- Each telecom regulator has to keep a balance between different services to respond to the needs of the population and national objectives
- Aviation needs to actively participate in development of national positions. To protect the existing usage and satisfy its future requirements

Regional preparations

- 6 Regional Telecommunication Organizations
- consolidate views at regional level, assist in discussions between regions, facilitate reaching a common understanding, save time during WRCs (6 views instead of 194)

Information on the regional preparation for WRC-27

➤ [Resolution 72 \(Rev. WRC-19\)](#)

www.itu.int/en/ITU-R/conferences/wrc/2027/Pages/reg-prep.aspx

Asia-Pacific Telecommunity (APT)



- ▶ <http://www.apr.int/APTAPG>
- ▶ Chair, APG-27:
Mr. Nobuyuki Kawai, Japan,
no-kawai@kddi.com
aptapg@apr.int
- ▶ APT Preliminary Views on WRC-27 agenda items
(as a result of APG27-2)

Arab Spectrum Management Group (ASMG)



- ▶ www.asmg.bh
- ▶ Chair, ASMG:
Mr. Tariq AL AWADHI, UAE,
tariq.alawadhi@tdra.gov.ae
- ▶ ASMG Work for WRC-27 Preparations
(version of 30 October 2025)

African Telecommunications Union (ATU)



- ▶ <http://www.atuuat.africa>
- ▶ Secretary General – African Telecommunications Union:
Mr. John OMO
sg@atuuat.africa

European Conference of Postal and Telecommunications Administrations (CEPT)



- ▶ <http://www.cept.org/ecc/groups/ecc/cpg>
- ▶ Chair, CPG:
Mr. Stephen Talbot, United Kingdom,
stephen.talbot@ofcom.org.uk
- ▶ CPG Chair - Presentation for Regional Groups
June 2025 (version of 9 July 2025)

Inter-American Telecommunication Commission (CITEL)



- ▶ <http://www.citel.oas.org/en/Pages/PCCII>
- ▶ Chair of the PCC.II Working Group relative to the
CITEL's Preparation for WRCs:
Mr. Ricardo Martinez, Colombia (Republic of)
ricardo.martinez@ane.gov.co
- ▶ Status of the preparation for WRC-27 after the
46th meeting of PCC.II (version of 10 November 2025)

Regional Commonwealth in the Field of Communications (RCC)



- ▶ <http://en.rcc.org.ru>
- ▶ Chair, RCC WG WRC-27/RA-27 *:
Mr. Sergey Pastukh, Russian Federation
serg-past@mail.ru; pastuhsy@nic-t.ru
- ▶ Draft preliminary position of the RCC
Administrations on the WRC-27 agenda items
(version of 3 October 2025)



Preparations at international level (ITU)

1. Studies in ITU-R responsible and contributing Groups
2. Sessions 1 and 2 of the Conference Preparatory Meeting (now under improvement)
3. Three ITU Interregional Workshops on WRC-27 preparations:

1st Workshop: 3 – 5 December 2025 / [WebsiteArchives](#)

Presentation of challenging ITU-R studies. Presentation of preliminary views of regional groups, international organizations on their positions

2nd Workshop: [25-27 November or 14-16 December] 2026

Presentation of the challenging parts of Draft CPM Report. Presentation of regional groups, international organizations on positions for CPM-2

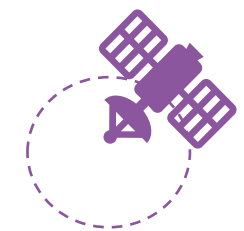
3rd Workshop: [Q 3/4 of 2027]

Presentation of CPM & Director's Reports to WRC-27. Presentation of regional groups, international organizations on positions, common proposals to WRC-27

WRC-27 – Agenda Items

FIXED-SATELLITE AND BROADCASTING-SATELLITE

MOBILE-SATELLITE



- 1.1 Aeronautical/maritime earth stations in motion
47.2-50.2 GHz / 50.4-51.4 GHz
- 1.2 13.75-14 GHz – Uplink earth stations
- 1.3 51.4-52.4 GHz – Gateway earth stations
- 1.4 17.3-17.7/8 GHz – Fixed/broadcasting allocation in Region 3
- 1.5 Unauthorized operations of non-geostationary-satellite orbit earth stations
- 1.6 Space sustainability
37.5-42.5 GHz / 42.5-43.5 GHz / 47.2-50.2 GHz / 50.4-51.4 GHz
- 7 Satellite regulatory issues

- Space-to-space links
1 518-1 544 MHz / 1 545-1 559 MHz
1 610-1 645.5 MHz / 1 646.5-1 660 MHz
1 670-1 675 MHz / 2 483.5-2 500 MHz
- MSS - Allocations for IoT development
1427-1432 MHz / 1645.5-1646.5 MHz 1880-1920 MHz / 2010-2025 MHz
- MSS - IMT-space stations connectivity
- MSS - Additional allocations



- 1.11
- 1.12
- 1.13
- 1.14

FIXED, MOBILE AND RADIOLOCATION

SCIENCE

- 1.7 4400-4800 MHz / 7125-8400 MHz / 14.8-15.35 – IMT
- 1.8 231.5-275 GHz / 275-700 GHz – Radiolocation
- 1.9 Aeronautical mobile (OR) high frequency modernization
- 1.10 71-76 GHz / 81-86 GHz – Power flux-density / power limits

- Lunar communications
- Radio Quiet Zones
- Space weather sensors protection
- ≥ 76 GHz – Earth exploration service protection
- Earth exploration-satellite service allocation
4200 – 4400 MHz / 8400-8500 MHz

Res. 813 (WRC-23)



- 1.15
- 1.16
- 1.17
- 1.18
- 1.19



Overlapping frequency bands between some WRC-27 agenda items (see Annex 4 to CA/270)

Frequency bands	WRC-27 agenda items (responsible groups)
1 427-1 432 MHz; 1 645.5-1 646.5 MHz; 1 880-1 920 MHz	1.12 (WP 4C); 1.13 (WP 4C)
1 518-1 544 MHz; 1 545-1 559 MHz; 1 610-1 645.5 MHz; 1 646.5-1 660 MHz; 1 670-1 675 MHz	1.11 (WP 4C); 1.13 (WP 4C)
2 010-2 025 MHz	1.12 (WP 4C); 1.13 (WP 4C); 1.14 (WP 4C)
2 120-2 160 MHz; 2 160-2 170 MHz	1.13 (WP 4C); 1.14 (WP 4C)
2 483.5-2 500 MHz	1.11 (WP 4C); 1.13 (WP 4C); 1.15 (WP 7B)
2 400-2 483.5 MHz; 2 500-2 690 MHz	1.13 (WP 4C); 1.15 (WP 7B)
7 190-7 235 MHz	1.7 (WP 5D); 1.15 (WP 7B)
8 450-8 500 MHz	1.15 (WP 7B); 1.19 (WP 7C)
42.5-43.5 GHz	1.6 (WP 4A); 1.16 (WP 7D)
47.2-50.2 GHz; 50.4-51.4 GHz	1.1 (WP 4A); 1.6 (WP 4A)
71-76 GHz	1.10 (WP 5C); 1.16 (WP 7D); 1.18 (WPs 7C & 7D)
81-86 GHz	1.10 (WP 5C); 1.18 (WP 7C & WP 7D)
114.25-116 GHz; 130-134 GHz	1.16 (WP 7D); 1.18 (WP 7C & WP 7D)

- The responsible groups are invited to **exchange the necessary characteristics, parameters and protection criteria to complete studies addressing mutual compatibility and sharing feasibility** among the applicable services/applications.

- They should **coordinate their work and review**, as appropriate, the **progress of studies so that any potential difficulties can be addressed**.

Work towards WRC-27 in ITU-R

www.itu.int/go/rcpm-wrc-27-studies

The Conference Preparatory Meeting (CPM) allocates WRC agenda items to the relevant ITU-R Study Group

SG 4 (Satellite Services)

WP 4A

1.1 1.3 1.5
1.2 1.4 1.6

WP 4C

1.11 1.13
1.12 1.14

SG 5 (Terrestrial Services)

WP 5B

1.8
1.9

WP 5C

1.10

WP 5D

1.7

SG 7 (Science Services)

WP 7B

1.15

WP 7C

1.17
1.19

WP 7D

1.18
1.16

AI	Topic	Resolution	WP 5A	WP 5B	WP 5C	WP 5D	Other WPs/TG (R)	R
1.1	Aeronautical and maritime ESIM	Res. 176 (Rev.WRC-23)	C	C	C	C	3M, 4A, 4C, 7B, 7C, 7D	4A
1.2	FSS with small antenna sizes in the frequency band 13.75-14 GHz	Res. 129 (WRC-23)	C	C	C	-	3M, 4A*, 7A, 7B, 7C	4A
1.3	Non-GSO in the FSS in the frequency band 13.75-14 GHz	Res. 130 (WRC-23)	C	-	C	-	3M, 4A, 7C, 7D	4A
1.4	New allocation for FSS in 17.3-17.7 GHz and BSS in 17.3-17.8 GHz	Res. 726 (WRC-23)	C	C	C	-	3M, 4A, 4B, 6B, 7C	4A
1.5	Unauthorized operations of non-GSO FSS and MSS earth stations	Res. 14 (WRC-23);	-	-	-	-	1B, 3M, 4A, 4B, 4C, 6A, 7B, 7C, 7D	4A
1.6	FSS in the bands 37.5-42.5 GHz, 42.5-43.5 GHz, 47.2-50.2 GHz and 50.4-51.4 GHz	Res. 131 (WRC-23)	C	C	C	C	1B, 3M, 4A, 4B, 4C, 6A, 7B, 7C, 7D	4A
1.7	IMT in the bands 4400-4800 MHz, 7125-8400 MHz (or parts thereof) and 14.8-15.35 GHz	Res. 256 (WRC-23)	C	C	C	R	1B, 3K, 3M, W4A, 4C, 7B, 7C, 7D	5D
1.8	Radiolocation service in the bands 231.5-275 GHz and the frequency range 275-700 GHz	Res. 663 (Rev.WRC-23)	C	R	C	-	3J, 3K, 3M, 4A, 4C, 7C, 7D	5B
1.9	Update RR, Appendix 26 in support of aeronautical mobile (OR) high frequency modernization	Res. 411 (WRC-23)	-	R	C	-	3L, 6A, 7A	5B
1.10	Protection of FS and MS by FSS, MSS and BSS in the bands 71-76 GHz and 81-86 GHz	Res. 775 (Rev.WRC-23)	C	C	R	-	1A, 3J, 3M, 4A*, 4C*, 6A, 7C	5C
1.11	Space-to-space transmission between NGSO and GSO in the bands 1.6 GHz and 2.5 GHz	Res. 249 (Rev.WRC-23)	C	C	C	C	3L, 3M, 4A, 4B, 4C, 6A, 7B, 7C, 7D	4C
1.12	MSS (low-data NGSO) in the bands 1427-1432 MHz, 1645.5-1646.5 MHz, 1880-1920 MHz and 2010-2025 MHz	Res. 252 (WRC-23)	C	C	C	C	3L, 3M, 4B*, 4C, 7B, 7C, 7D	4C
1.13	MSS (direct to device) in IMT-bands between 694/698 MHz to 2.7 GHz	Res. 253 (WRC-23)	C	C	C	C	3L, 3M, 4A, 4B, 4C*, 6A, 7B, 7C, 7D	4C
1.14	MSS in the 2 GHz	Res. 254 (WRC-23)	C	-	C	C	3L, 4B, 4C, 7B, 7C	4C
1.15	Space research service allocations, for communications on the lunar surface and lunar orbit	Res. 680 (WRC-23)	C	C	C	C	1B, 3J, 4A, 4C, 7A, 7B, 7C, 7D	7B
1.16	Protection of RAS in radio quiet zones	Res. 681 (WRC-23)	C	C	-	C	1B, 3J, 3M, 4A, 4C, 7D	7D
1.17	Space weather sensors (several bands in the 30 MHz, 70 MHz, 600 MHz range)	Res. 682 (WRC-23)	C	C	C	C	3L, 3M, 4A, 4C, 6A, 7B, 7C, 7D	7C
1.18	Protection of EESS & RAS from unwanted emissions of active sensors above 76 GHz	Res. 712 (WRC-23)	C	C	C	-	3J*, 3M*, 4A, 4C, 7C, 7D	7C/7D
1.19	EESS globally in 4.3 and 8.5 GHz	Res. 674 (WRC-23)	C	C	C	C	4A, 7B, 7C	7C

Frequency bands impacting aeronautical service by individual or overlapping between some WRC-27 agenda items

Frequency bands concerning aeronautical service	WRC-27 agenda items (responsible group)	Aeronautical service/system
117.975-137 MHz , 1 087.7-1 092.3 MHz , 1 610-1 626.5 MHz , and 5 000-5 150 MHz	1.5 (WP 4A)	AMS(R)S
1 545-1 626.5, 1 646.5-1 660.5 MHz	1.11 (WP 4C), 1.13 (WP 4C)	MSS used for aviation SATCOM air-ground communications for ATC
1 646.5-1656.5 MHz	1.12 (WP 4C) (adjacent band to 1 645.5-1 646.5 MHz studied under this AI), 1.13 (WP4C)	AMS(R)S
2 700-2 900 MHz, 3 600-4 200 MHz, 5 350-5 470 MHz	1.15 (WP 7B) (2 700-2 900 MHz adjacent band to 2 400-2 690 MHz studied under this AI)	ARNS, FSS (space-to-Earth)
4 200-4 400 MHz	1.7 (WP5D) (adjacent band to 4 400-4 800 MHz studied under this AI), 1.19 (WP 7C)	ARNS, AM(R)S
7 190-7 235 MHz	1.7 (WP 5D), 1.15 (WP 7B)	fixed service by air traffic data link applications in some countries
8 450-8 500 MHz	1.15 (WP 7B), 1.19 (WP 7C)	fixed service by air traffic data link applications in some countries
15.4-15.7 GHz	1.7 (WP 5D) (adjacent band to 14.8-15.35 GHz studied under this AI)	ARNS
92-94 GHz	1.18 (WP 7C and WP 7D) (adjacent band to 86-92 GHz considering candidate band for EESS studied under this AI)	RLS (foreign object debris (FOD) detection (radar) systems)

Thank You

