



30<sup>TH</sup> WORLD RADIOCOMMUNICATION SEMINAR

24 - 28 October 2022

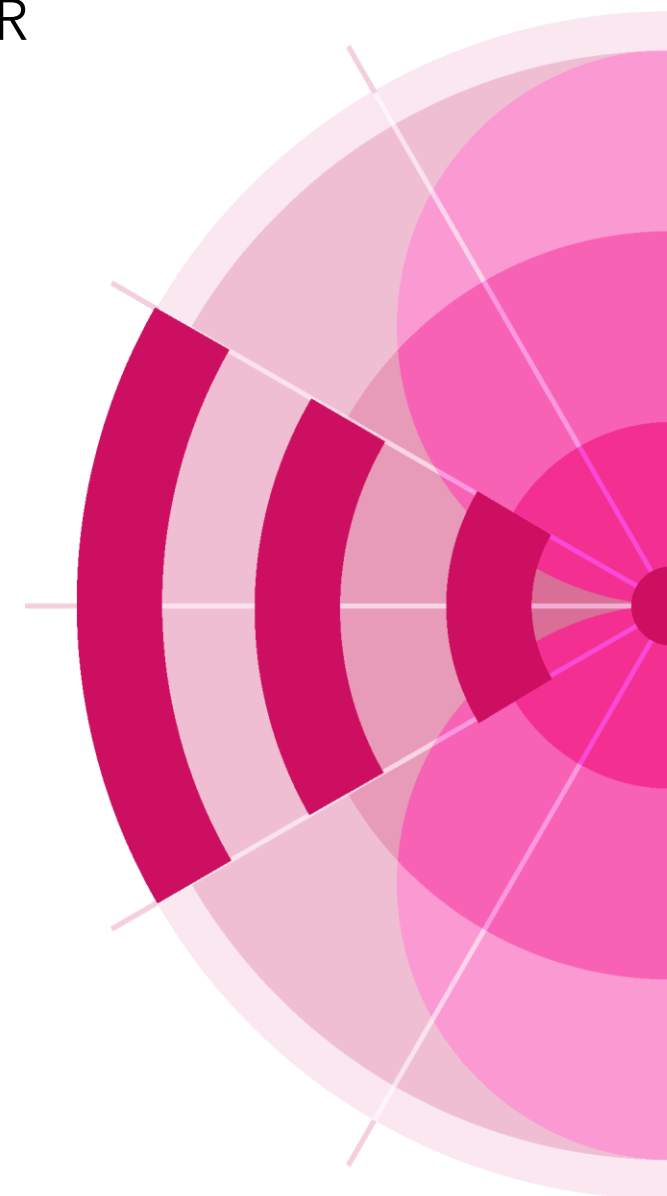
Geneva, Switzerland

# Road to WRC-23

## WRC-23 Agenda and Preparation

[www.itu.int/go/wrs-22](http://www.itu.int/go/wrs-22)

#ITUWRS



# World Radiocommunication Conferences (WRCs)

- Updated the Radio Regulations, the international treaty on the use of radio spectrum and satellite orbits
- Brought together all stakeholders in a process that is aimed at building consensus
- Provided a stable and predictable regulatory environment needed for future investments
- Enabled new radiocommunication systems and applications to access the radio spectrum
- Protected the operation of existing radiocommunication services
- Ensured the rational, equitable, efficient and economical use of the radio-frequency spectrum and satellite-orbit resources



# WRC Purpose

## ✓ Updates the Radio Regulations (CS\* 89) (*treaty status*)

- Spectrum Allocation
- Coordination and Notification procedures
- Administrative and operational procedures



Radio  
Regulations

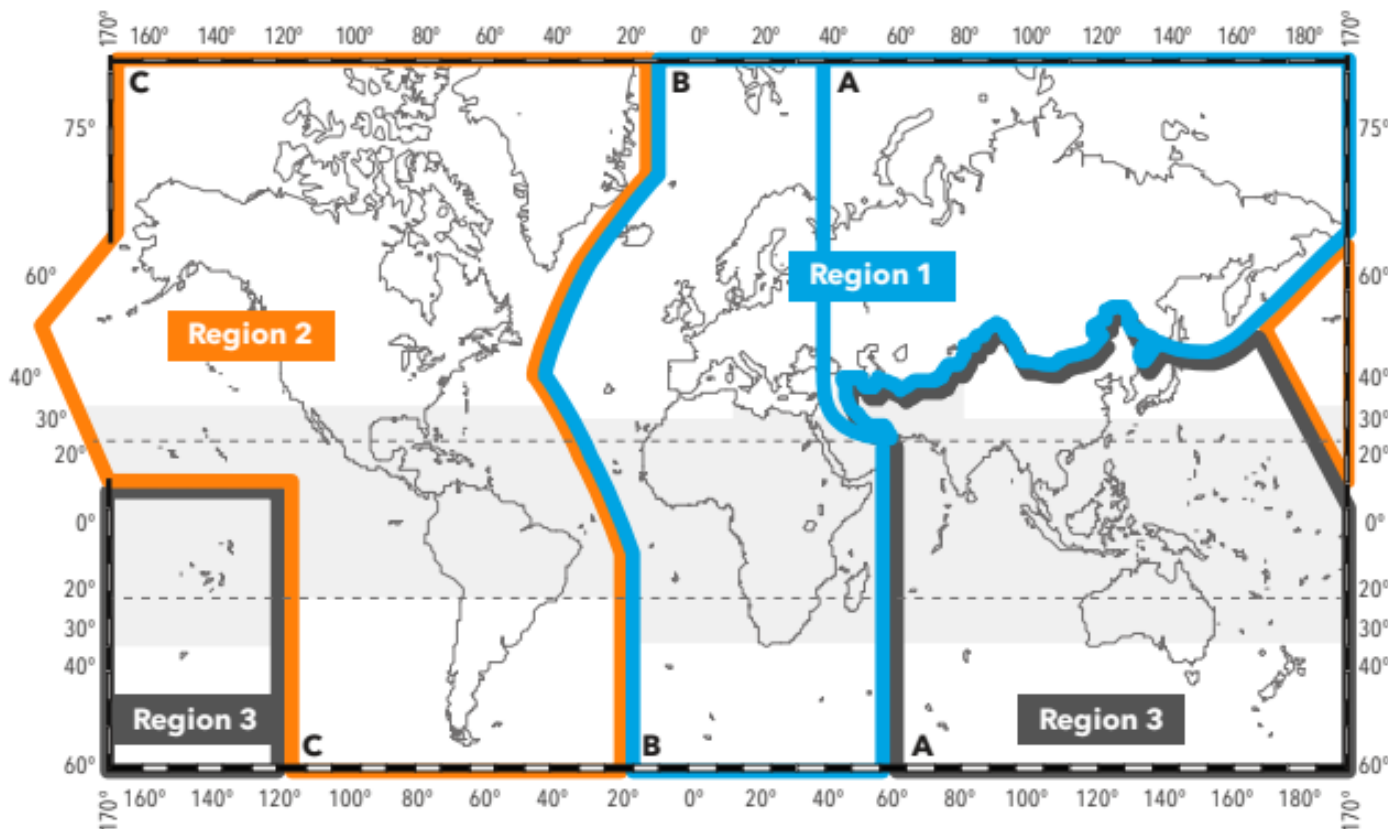
## ✓ Adopts Resolutions

## ✓ Held every 3-4 years (CS\* 90)

## ✓ Additional provisions in CV\* and GR\*

\* Constitution (CS), Convention (CV) and General Rules (GR) of Conferences, Assemblies and Meetings of the ITU are available in ITU Collection of Basic Texts ([www.itu.int/pub/S-CONF-PLEN](http://www.itu.int/pub/S-CONF-PLEN))

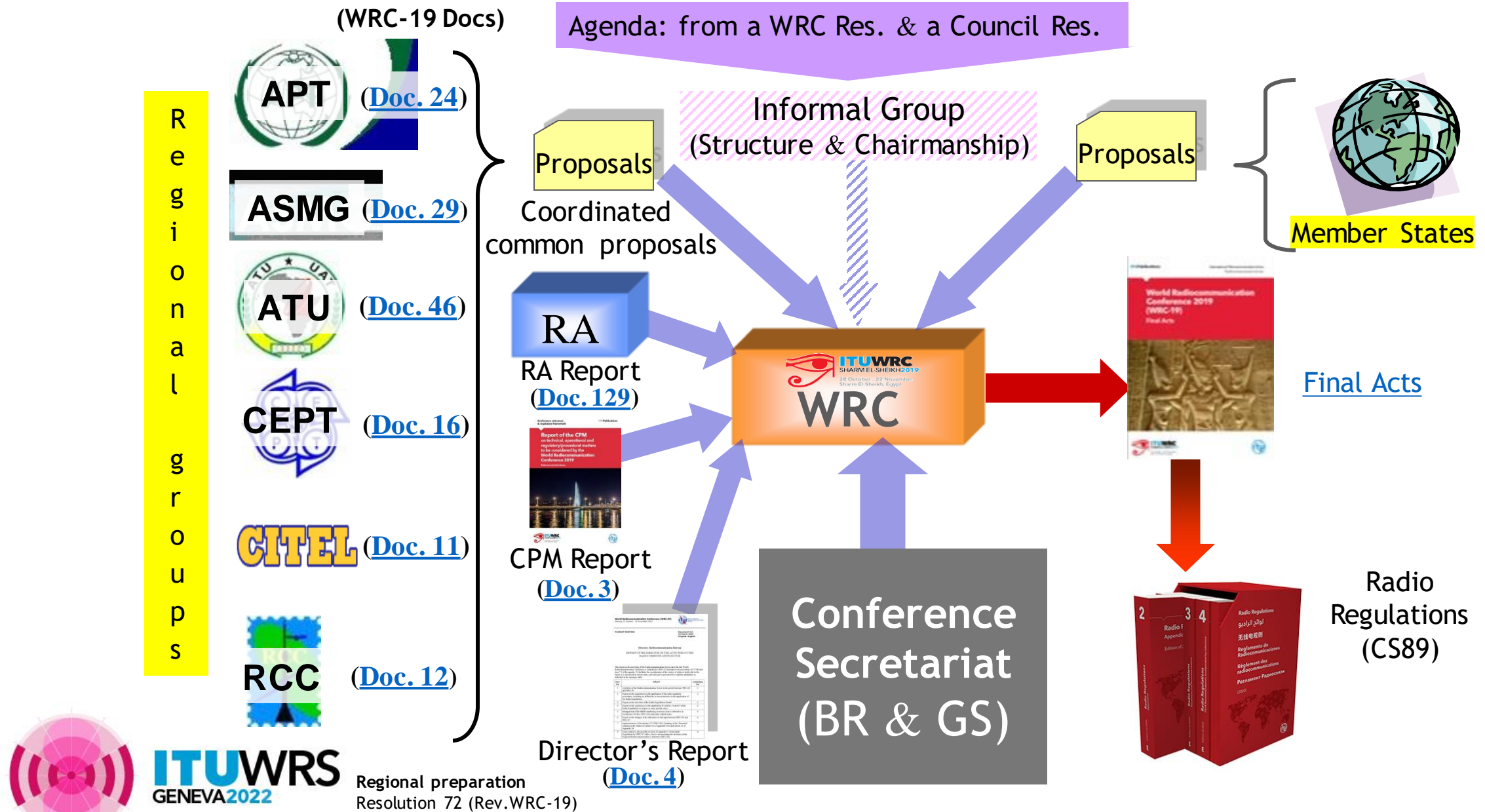
# Worldwide or Regional Spectrum Harmonization



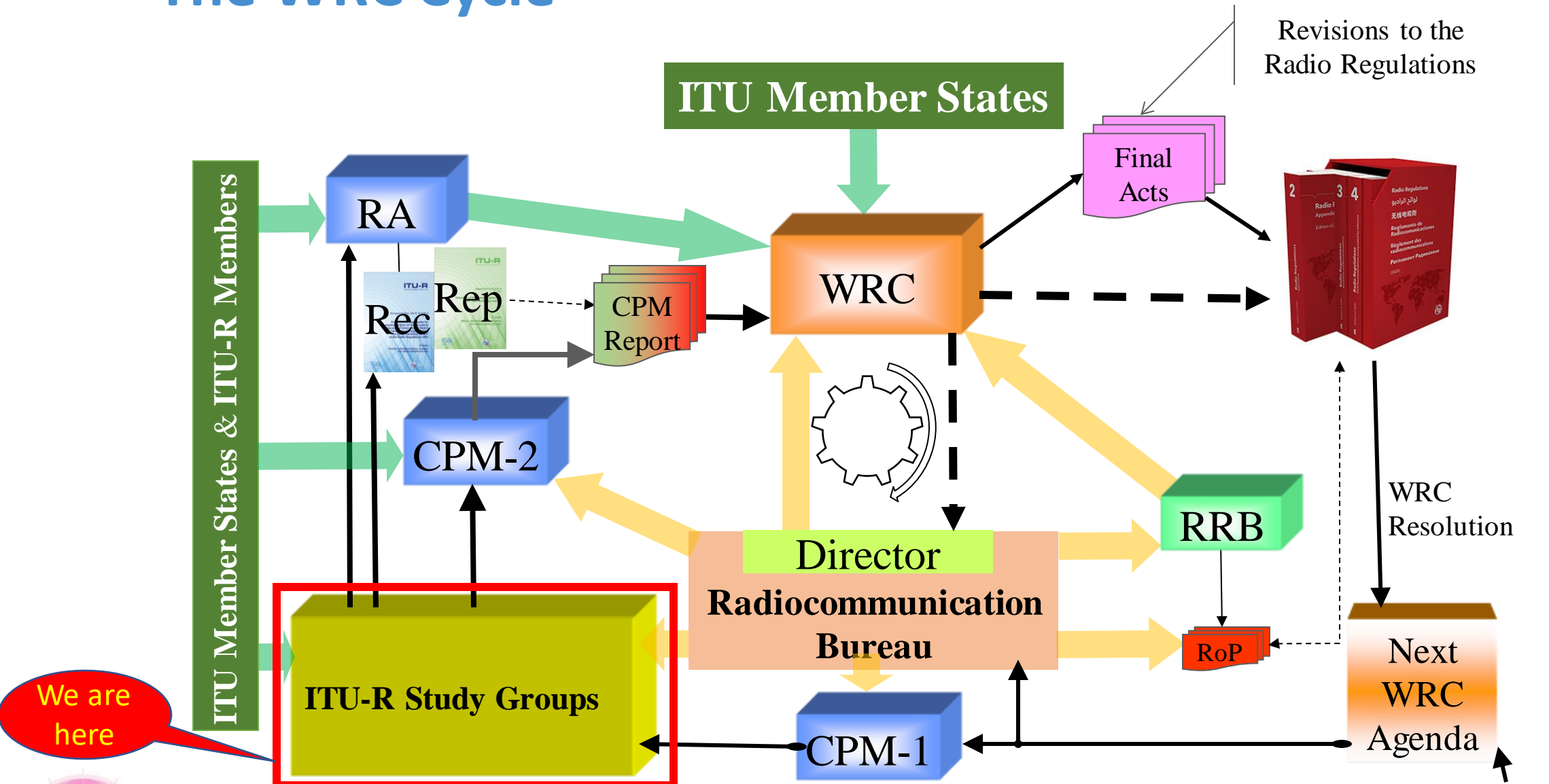
Benefits :

- Reduces the potential for **harmful interference**
- Enables interoperability and **international roaming**, allowing citizens to use the same device in different countries
- Increases economies of scale, thereby enabling **affordable devices and services**
- Supports **emergency communications**

# The WRC Process



# The WRC Cycle



We are here



**ITUWRS**  
GENEVA2022

RRB: Radio Regulations Board  
 RA: Radiocommunication Assembly  
 WRC: World Radiocommunication Conference

CPM: Conference Preparatory Meeting  
 Rec/Rep: ITU-R Recommendation/Report  
 RoP: Rules of Procedure

Adopted by ITU Council





# Main Steps towards WRC-23

**WRC-19:** WRC-23 agenda - [Resolution 811 \(WRC-19\)](#)

CPM23-1

25-26 Nov. 2019; **Results @CA/251**

**Council:** - Res.1399 on WRC-23 agenda \*  
- Dec. 623 on Dates & venue \*\*

Meetings of ITU-R SGs, WPs / TG responsible/contributing on AIs

National and regional preparations

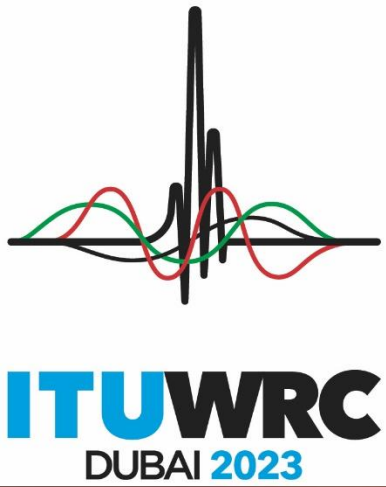
CPM23-2 (**CICG, 27 Mar-6 Apr 2023**)  
(for final CPM Report to be available 5 months prior to WRC-23)

Final regional group meetings & national preparations  
**Member States' (common) proposals to WRC-23**

**RA-23 (Dubai, 13-17 Nov. 2023); WRC-23 (Dubai, 20 Nov.-15 Dec. 2023)**

\* see Council-20  
Doc. [C20/69](#)

\*\* see Council-21  
Doc. [C21/96](#)  
(Abu Dhabi or Dubai)



# WRC-23 Website

[www.itu.int/wrc-23](http://www.itu.int/wrc-23)



Dubai, United Arab Emirates, 20 November to 15 December 2023

[www.itu.int/wrc-23/booklet-wrc-23](http://www.itu.int/wrc-23/booklet-wrc-23)



## WRC-23 Booklet: Agenda and Relevant Resolutions



This booklet is available in the six languages of the Union and provides an easy access to the WRC-23 agenda as well as to the pertinent resolutions.

[\[Download\]](#)





# WRC-23 standing agenda items

1. List of **specific agenda items** from 1.1 to 1.19 (see next slide)
2. **Incorporated by reference** in the RR of revised **ITU-R Recommendations**
3. **Consequential RR changes & amendments** as decided by the WRC
4. **Review of Resolutions and Recommendations of previous WRCs**
5. Review of the **Report from the Radiocommunication Assembly**
6. Identify items requiring **urgent action by ITU-R SGs** for the next WRC
7. Review the **RR procedures** related to **coordination-notification-registration of satellite network** frequency assignments, to facilitate rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;
8. Consider **deletion of country names in footnotes** of RR Art. 5 TFA
9. Consider and approve the **BR Director's Report** on:
  - 9.1 ITU-R activities;
  - 9.2 Difficulties/Inconsistencies in RR;
  - 9.3 Res.80
10. **Agenda of next WRC & preliminary agenda of subsequent WRC**

# Topics on the WRC-23 Agenda




**WRC-23  
agenda**

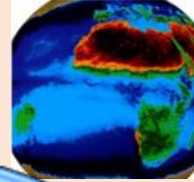
**1.1** **Mobile** **3.3 ≤ MS & IMT ≤ 10.5 GHz**

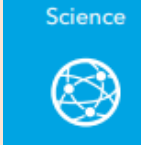
**1.2**  **0.694 ≤ HIBS ≤ 2.7 GHz** 

**1.3**


**1.4** **Broadcasting** **470 ≤ BS, MS ≤ 960 MHz**


**1.5**   

 **Spaceborne radar sounders (2<sup>nd</sup>ary)**


**EESS (active) @ 45 MHz**  **1.12**


**SRS @ 14.8-15.35 GHz** **1.13**

**Remote-sensing observation requirements - EESS (passive) @ 231.5-252 GHz**  **1.14**



**1.6**  **Sub-orbital vehicles**

**1.7** **Aviation** **New AMS(R)S VHF alloc.**

**1.8**  **UAS CNPC links via FSS**

**1.9**  **Dig. techno. for aviation safety-of-life applications (App.27)**

**1.10** **New AMS alloc. (around 15.5 & 22 GHz) for non-safety applications**


**1.11** **Maritime** **GMDSS modernization and e-navigation**  

**A-ESIM & M-ESIM (GSO Ku-FSS)** **1.15**

**ESIM (NGSO Ka-FSS)**  **1.16**

**ISS / Sat.-to-Sat. links** **1.17**

**NB MSS for IoT (L/S-bands)** **1.18**

**Ka-FSS (s-E) (R2)**   **1.19**

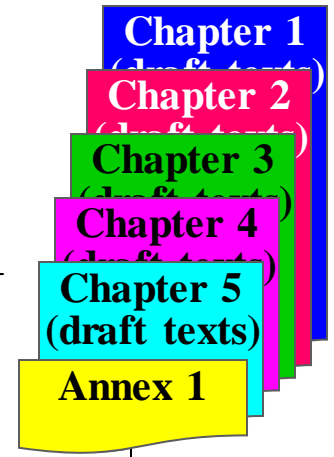
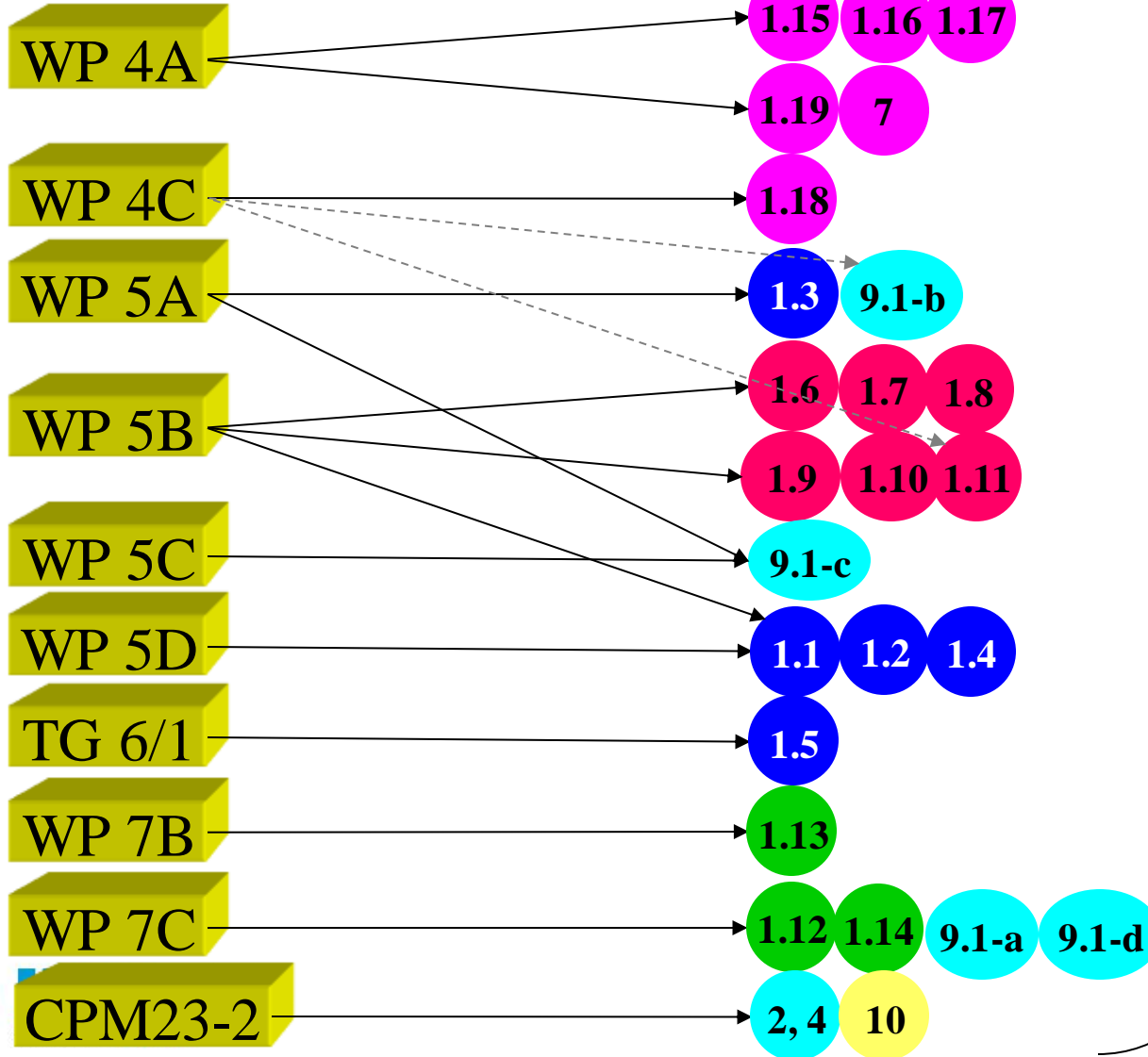
 **Satellite regulatory issues** **7**

# Summary of CPM Report Preparation

Responsible  
ITU-R Groups

WRC-23 agenda items (AI),  
incl. topics under AI 9.1

Dates/Deadlines



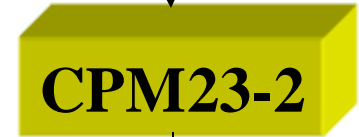
To CPM-23  
Chapter  
Rapporteurs  
prior to  
**21 October  
2022**



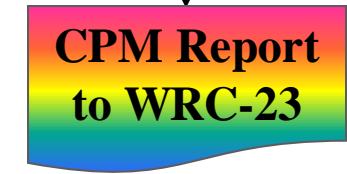
**9-10  
Nov. 2022**



2 months  
prior to  
CPM23-2



**27 Mar –  
6 Apr 2023**



5 months  
prior to  
WRC-23



# ITU-R Responsible Groups activities

- ⇒ **Examine contributions from the membership**  
(Member States, Sector members, Associates, Academia) (see also [CACE/955](#))
- ⇒ **Ensure necessary coordination with the contributing groups**  
(liaison statements to and from contributing working parties to provide in particular the system characteristics and requirements of the incumbent services)
- ⇒ **Carry out technical studies** (incl. compatibility & sharing studies)  
& develop Working Documents and draft ITU-R Rec. & Reports  
for consideration by the relevant ITU-R Study Group(s)
- ⇒ **Develop possible draft regulatory/technical solutions to satisfy the WRC-23 agenda items and topics** for inclusion in the draft CPM Report to be considered at the 2<sup>nd</sup> session of CPM-23
- ⇒ **Finalize the technical studies prior to RA-23**



# Structure of the draft CPM texts for an agenda item in a given chapter

(see Annexes 6 and 11 to [CA/251](#))

## Chapter N

### Agenda Item 1.XY

[Relevant WRC Resolutions if any]

N/1.XY/1 Executive Summary\*

N/1.XY/2 Background\*

N/1.XY/3 Summary and Analysis of the results of ITU-R studies, including a list of relevant ITU-R Recommendations

**N/1.XY/4 Method(s) to satisfy the agenda item**

**N/1.XY/5 Regulatory and procedural considerations**

\* Not more than half a page of text

## Chapter 5

### Agenda Item 9.1(9.1-[x])

5/9.1-[x] [label of the topic]

**Summary of the results of ITU-R studies**

### Annex 1 – Information on WRC-23 AI 10

2.[x] [label of the agenda item]

[Text of a short summary of ITU-R studies completed under the preliminary agenda item]

(see the Proposed detailed Structure for the Draft CPM Report to WRC-23 at: [www.itu.int/oth/R0A0A000014/en](http://www.itu.int/oth/R0A0A000014/en))



Resolution **811 (WRC-19)** contains the WRC-23 agenda.

# ITU-R Preparatory Studies for WRC-23

[www.itu.int/go/rcpm-wrc-23-studies](http://www.itu.int/go/rcpm-wrc-23-studies)

WRC-23 agenda Item (Chapter)	Topic	WRC Resolution (*)	Responsible Group(s)	Information from Responsible Group(s) <sup>11151</sup>
1		-	-	-
1.1 (1)		Res.223 (Rev.WRC-19)	WP 5B (1) WP 5D (1)	Doc. 5B/649 Sec. 2.1, 10.2, 10.2.1.1 & 10.2.2.1 and Annex 13 Doc. 5D/1555 (a) and Chapter 4 Annexes 4.7 (c), 4.7.1 & 4.7.2, and other relevant Chapters and Annexes
1.2 (1)		Res.245 (WRC-19)	WP 5D	Doc. 5D/1555 (a) and Chapter 4 Annexes 4.10 (c), 4.10.1 & 4.10.2, and other relevant Chapters and Annexes
1.3 (1)		Res.246 (WRC-19)	WP 5A	Doc. 5A/597 Sec. 2, 3.6, 4 & 5 and Annexes 3 (a), 4 (c), 5 & 22
1.4 (1)		Res.247 (WRC-19)	WP 5D	Doc. 5D/1155 (a) and Chapter 4 Annexes 4.28 (c), 4.28.1 & 4.28.2, and other relevant Chapters and Annexes
1.5 (1)		Res.235 (WRC-15)	TG 6/1 (2)	Doc. 6-1/130 and Annexes 1 (c), 2 & 3
1.6 (2)		Res.772 (WRC-19)	WP 5B (3)	Doc. 5B/649 Sec. 2.1, 2.2, 7, 10.2 & 10.2.1.2 and Annexes 1(Rev.1) (c), 23 & 28
1.7 (2)		Res.428 (WRC-19)	WP 5B (3)	Doc. 5B/649 Sec.2.1, 2.2, 7, 10.2, 10.2.1.3 & 10.4.2.3 and Annexes 2 (c), 15, 30 & 31
1.8 (2)		Res.171 (WRC-19) - Res.155 (Rev.WRC-19)	WP 5B (3)	Doc. 5B/649 Sec.2.1, 2.2, 5, 7, 10.5 & 10.5.1.1 and Annexes 3 (c) & 26
1.9 (2)		Res.429 (WRC-19)	WP 5B	Doc. 5B/481 Annex 29 and Doc. 5B/649 Sec. 2.1, 2.2 & 10.2.1.4 and Annex 4 (c)
1.10 (2)		Res.430 (WRC-19)	WP 5B	Doc. 5B/649 Sec.2.1, 2.2, 10.2 & 10.2.1.5 and Annexes 5(Rev.1) (c) & 24
1.11 (2)		Res.361 (Rev.WRC-19)	WP 5B (4)	Doc. 5B/649 Sec. 2.1, 2.2, 10.3 & 10.3.1.1 and Annexes 6(Rev.1) (c), 7, 8, 16 & 21 Doc. 4C/388 Sec. 2.3, 3.1.2, 3.8, 4.1, 8.1, 8.3 & 9 and Annexes 3, 4 (c) & 6 (b)
1.12 (3)		Res.656 (Rev.WRC-19)	WP 7C	Doc. 7C/459 (a) and Annexes 1, 2 & 3(Rev.1) (c) & 4
1.13 (3)		Res.661 (WRC-19)	WP 7B	Doc. 7B/246 (a) and Annexes 1 (c) & 2
1.14 (3)		Res.662 (WRC-19)	WP 7C	Doc. 7C/459 (a) and Annexes 21, 22 (c) & 28
1.15 (4)		Res.172 (WRC-19)	WP 4A	Doc. 4A/856 (a) and Annexes 13 & 22 (c)
1.16 (4)		Res.173 (WRC-19)	WP 4A	Doc. 4A/856 (a) and Annexes 14 & 23 (c)
1.17 (4)		Res.773 (WRC-19)	WP 4A	Doc. 4A/856 (a) and Annexes 15, 16, 17, 18 & 24 (c)
1.18 (4)		Res.248 (WRC-19)	WP 4C	Doc. 4C/245 Annex 8 and Doc. 4C/388 Sec. 2.3, 3.1.1, 4.2, 8.1 & 9 and Annexes 5 (c) & 7 (b)
1.19 (4)		Res.174 (WRC-19)	WP 4A	Doc. 4A/856 (a) and Annexes 19 & 25 (c)

7 (4)		Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 (a)
	A (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annexes 20 & 26 (c)
	B (4)	Res. 86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annexes 21 & 27 (c)
	C (4)	Res. 86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 28 (c)
	D (4)	Res.86 (Rev.WRC-07)	WP 4A	(see D1 to D3 below)
	D1 (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 29 (c) (a)
	D2 (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 29 (c) (a)
	D3 (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 29 (c) (a)
	E (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 30 (c)
	F (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 31 (c)
	G (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 32 (c)
	H (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 33 (c)
	I (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 34 (c)
	J (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 35 (c)
	K (4)	Res.86 (Rev.WRC-07)	WP 4A	Doc. 4A/856 Annex 36 (c)
8		Res.26 (Rev.WRC-19)	-	Outside scope of the CPM
9		-	-	-
9.1		-	-	-
	a) (5)	Res.657 (Rev.WRC-19)	WP 7C	Doc. 7C/459 (a) and Annexes 10, 11, 12, 13, 14, & 15 (c)
	b) (5)	Res.774 (WRC-19)	WP 5A (5)	Doc. 5A/597 Sec. 2, 3.3, 4 & 5 and Annexes 3 (a), 6 (c), 7 Doc. 4C/388 Sec.2.3, 3.1.3, 4.3, 4.3.3, 8.2 & 9 (a) and Doc. 4/56
	c) (5)	Res.175 (WRC-19)	WP 5A (6) WP 5C (6)	Doc. 5A/597 Sec. 1, 2, 3.10, 4 & 5 and Annexes 3 (a), 8 (c) & 9 and Doc. 5C/291 Sec. 1, 4, 10.1 & 11
	d) (5)	WRC-19 Doc. 573 (Minutes of the twelfth plenary meeting), Section 35.2, sub-section "Protection of EESS in the frequency band 36-37 GHz	WP 7C	Doc. 7C/459 (a) and Annexes 23 & 24 (c)
9.2		-	-	-
9.3		Res.80 (Rev.WRC-07)	-	-
10		Res.804 (Rev.WRC-19) - Res. 812 (WRC-19)	See studies on WRC-27 preliminary agenda items	See studies on WRC-27 preliminary agenda items (updated 17 Octobre 2022)



**note (c) indicates annexes on draft CPM texts**

# Overview of the draft CPM texts on the WRC-23 AIs and topics

Draft CPM Report	Chapter 1												Chapter 2						Chapter 3					
Agenda items	1.1	1.2					1.3	1.4				1.5	1.6	1.7	1.8	1.9	1.10	1.11			1.12	1.13	1.14	
Issues/Bands	-	1	2	3	4	5	6	-	A	B	C	D	-	-	-	-	-	-	A	B	C	-	-	-
Draft Method(s)	A	1A	2A	3A	4A	5A	6A	A	A1	B1	C1	D1	A	A	A	A	A	A	B	C1	A1	A	A	
	B	1B	2B	3B	4B	5B	6B	B	A2	B2	C2	D2	B (1,2, 3)	B App A	B1	B	B	-	-	C2,	A2	B1	B, opt1	
	C	1C	2C	3C	4C	5C	6C	C, Alt.1	A3	B3	C3	D3	C (1 to 9)	B App B	B2	-	-	C	-	Alt.1	B	B2	B, opt2	
	D	1D	-	3D	4D	5D	-	C, Alt.2	A4	B4	-	D4	D (1 to 5)	B App C	-	-	-	D(B+C)	-	C2,	C	C	B, opt3	
	E	1E	-	3E	4E	5E	-	C, Alt.3	-	-	-	-	E	-	-	-	-	-	-	Alt.2	D	D	C	
	F	-	-	3F	-	-	-	C, Alt.4	-	-	-	-	F	-	-	-	-	-	-	C3	-	E	-	
	G	-	-	-	-	-	-	C, Alt.5	-	-	-	-	G (with B,	-	-	-	-	-	-	-	-	F	-	
	H	-	-	-	-	-	-	D	-	-	-	-	C, D, E)	-	-	-	-	-	-	-	-	-	-	

Draft CPM Report	Chapter 4																		
Agenda items	1.15	1.16	1.17	1.18	1.19	7													
Issues/Topics	-	-	-	-	-	A	B	C	D1	D2	D3	E	F	G	H	I	J	K	
Draft Method(s)	A	A	A	A	A	A1	B1	C1	D1	D2	D3	E1	F1	G1	H1A	H2A	I1	J1	K1
	B	B	B1	B	B, Alt.1	A2	B2	C2	-	-	-	E2	F2	G2	H1B	H2B	I2	J2	K2
	(+options)	(+options)	B2	-	B, Alt.2	A3	-	C3	-	-	-	E3	F3	G3	H1C	-	-	J3	-
	-	-	B3	-	-	A4	-	-	-	-	-	-	F4	-	-	-	-	J4	-
-	-	B4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	J5	-

Draft CPM Report	Chapter 5				Annex 1												
Agenda items	9.1				10												
Topics/Items	9.1-a)	9.1-b)	9.1-c)	9.1-d)	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.10	2.11	2.12	2.13
Draft Summary of the studies	Draft	Draft	Draft a1/a2	Draft	[tbd]	[tbd]	[tbd]	[tbd]	Draft	Draft	[tbd]	[tbd]	[tbd]	[tbd]	[tbd]	[tbd]	[tbd]

X: No change method.

X: Method in a final draft CPM text.

[tbd]: [To be developed].

(as of 21 October 2022)

# CPM-23 Management Team

Organised in accordance with [Res. ITU-R 2-8](#) and composed of:

- ✓ CPM-23 Chairman, Vice-Chairmen and Chapter Rapporteurs (= Steering Committee)
- ✓ Chairmen of Study Groups and Responsible Groups

⇒ Consider the draft CPM texts developed by the Responsible Groups

⇒ Consider the comments from the CPM Chapter Rapporteurs

⇒ Consolidate the draft CPM texts/chapters into the draft CPM Report to WRC-23

(as an input to CPM23-2)

See also [CA/251 Add.1 & 2](#) on Preparation of the **draft CPM Report to WRC-23**



# Second Session of CPM-23

Geneva, CICG & ITU HQ, **27 March – 6 April 2023**

(see invitation letter in [CA/263](#) of 27 September 2022)

- ⇒ **Prepare consolidated CPM Report to WRC-23, using:**
  - ✓ **Draft CPM Report to be issued in [Doc. CPM23-2/1](#)**  
(available in six official ITU languages a minimum of 2 months before CPM23-2)
  - ✓ **Contributions from ITU Member States & ITU-R Sector Members**  
**deadlines** for submission @ [cpm23-2@itu.int](mailto:cpm23-2@itu.int):
    - **27 February 2023** if translation is required
    - **13 March 2023, 1600 hours UTC in all cases**
  - ✓ **BR Director's reports on agenda items 2 and 4**
- ⇒ **Consider also the draft BR Director's Report to WRC-23 on AI 9.2**
- ⇒ **CPM23-2 meeting structure expected to be based on the draft CPM Report structure**

# Conference Preparatory Meeting for WRC-23 (CPM-23)

In accordance with Resolution ITU-R 2-8, the CPM shall prepare a consolidated Report on the ITU-R preparatory studies and possible solutions to the WRC agenda items, to be used in support of the work of World Radiocommunication Conferences. [More >](#)

**NEW!**



[www.itu.int/ITU-R/go/rcpm](http://www.itu.int/ITU-R/go/rcpm)

- Meetings and Events
- Related activities
- Highlights
- References
- Related ITU-R Texts
- Circulars

- Constitution and Convention
- Final Acts of PP-18
- Radio Regulations
- Rules of Procedure
- Final Acts WRC-19
- Minutes of the WRC-19 Plenaries
- WRC-19 decisions
- W(A)RC Resolutions
- W(A)RC Recommendations

**WRC-19 Outcomes (incl. RR Edition 2020)**

**Categorization**  
(linked to WRC (P)AIs; calling for ITU-R studies; addressed to BR; etc.)

- Contacts
- Electronic working
- Intellectual Property Rights

- CPM Chairman and Vice-Chairmen
- CPM-23 Chapter Rapporteurs
- Counsellor for CPM
- Contact email: [rcpm@itu.int](mailto:rcpm@itu.int)



## Second Session FOR WRC-23: CPM23-2 CPM23-2 DOCUMENTS

- Monday 2023-03-27 - Thursday 2023-04-06
- Place : **Switzerland, Geneva**
- Status : **Confirmed** - Add to Calendar
- Invitation - (CA/263)
- List of Registered Participants [TIES](#)
- Registration
- Contributions "as received" [TIES](#)
- Contributions [RSS](#) [TIES](#) - Template [W](#)
- Guidelines for the Preparation of Contributions **English**
- Administrative Documents (ADM) [TIES](#)
- Information Documents (INFO) [TIES](#)

## Inter-session preparatory studies

- ITU-R Preparatory Studies for WRC-23 (updated 21 October 2022)
- ITU Inter-regional Workshops on WRC-23 Preparation
- Regional preparation for WRC-23
- Proposed detailed structure of the Draft CPM Report to WRC-23 (updated 2 February 2021) [TIES](#)
- Preparation of the draft CPM Report to WRC-23 - (CA/251 Addenda 1 and 2)
- WRC-23 Conference Proposal Interface (CPI) (preliminary version of CPI to retrieve formatted texts from RR-2020, see the [CPI User Guide](#))

**Work of the ITU-R responsible groups**

**also updated**

**Link to pre-CPI for WRC-23**



# Overview of the ITU-R Calendar towards WRC-23 (Oct. 2022)

Year	January – March	April – June	July – September	October – December
2019	CPM19-2	Last meetings of the Responsible Groups	WS on WRC-19	RA-19 WRC-19 CPM23-1
2020	WP 5D (1 <sup>st</sup> )	WPs 7B & 7C (1 <sup>st</sup> ) WP 4C+WP 4A (1 <sup>st</sup> )	WPs 5A, 5B & 5C (1 <sup>st</sup> ) WPs 7B & 7C (2 <sup>nd</sup> )	WP 5D (3 <sup>rd</sup> ) TG 6/1 (1 <sup>st</sup> ) WP 4C+WP 4A (2 <sup>nd</sup> ) WPs 5A, 5B & 5C (2 <sup>nd</sup> ) WP 5D (4 <sup>th</sup> )
			CPM-23 Steering	WRS-20
2021	WP 4C+WP 4A (3 <sup>rd</sup> ) WP 5D (5 <sup>th</sup> )	WPs 7B & 7C (3 <sup>rd</sup> ) WPs 5A, 5B & 5C (3 <sup>rd</sup> ) WP 5D (6 <sup>th</sup> )	TG 6/1 (2 <sup>nd</sup> ) WP 4C+WP 4A (4 <sup>th</sup> ) WPs 7B & 7C (4 <sup>th</sup> )	WP 5D (7 <sup>th</sup> ) WP 4C+WP 4A (5 <sup>th</sup> ) TG 6/1 (3 <sup>rd</sup> ) WPs 5A & 5C (4 <sup>th</sup> ) WP 5B (4 <sup>th</sup> ) 1 <sup>st</sup> WS on WRC-23
2022	WP 5D (8 <sup>th</sup> ) TG 6/1 (4 <sup>th</sup> ) WP 5B (5 <sup>th</sup> )	WPs 7B & 7C (5 <sup>th</sup> ) WP 4C+WP 4A (6 <sup>th</sup> ) WPs 5A & 5C (5 <sup>th</sup> ) WP 5D (9 <sup>th</sup> )	WP 5B (6 <sup>th</sup> ) TG 6/1 (5 <sup>th</sup> ) WP 4C+WP 4A (7 <sup>th</sup> ) WPs 7B & 7C (6 <sup>th</sup> ) WP 5D (10 <sup>th</sup> )	WPs 5A, 5C (6 <sup>rd</sup> ) & 5B (7 <sup>th</sup> ) WRS-22 CPM-23 Manag <sup>nt</sup> Team 2 <sup>nd</sup> WS on WRC-23
		5D-WG Spectrum		
2023	[WP 5D (11 <sup>th</sup> )] CPM23-2	[WPs 5A & 5C (7 <sup>th</sup> )] [WP 5D (12 <sup>th</sup> )] [WP 4C+WP 4A (8 <sup>th</sup> )]	[WPs 5A (8 <sup>th</sup> )] [WP 5B (8 <sup>th</sup> )] [3 <sup>rd</sup> WS on WRC-23] [WPs 7B & 7C (7 <sup>th</sup> )]	RA-23 WRC-23

[...] = planned meetings

WS on WRC-23 = ITU Inter-regional Workshop on WRC-23 Preparation

# Regional preparation for WRCs

## ✓ Resolution 80 (Rev. Marrakesh, 2002)

“World radiocommunication conference process”

Administrations of ITU membership encouraged to:

- **Plan WRC preparations** on the basis of 2 consecutive WRCs
- **Harmonize** regional common **proposals** for WRC
- Formally/informally **collaborate** with a view to **resolving differences** on WRC agenda items (a.i.)
- **Indicate** for proposed WRC a.i., the **possible financial implications** on the BR (ITU-R studies and BR implementation)

## ✓ Resolution 72 (Rev. WRC-07)

“World and regional preparations for world radiocommunication conferences”

- *resolves* to **invite the regional groups to continue** their **preparations for WRCs**, including the possible convening of joint meetings of regional groups formally and informally

# Information on the regional preparation for WRC-23

➤ [Resolution 72 \(Rev. WRC-19\)](#)

[www.itu.int/go/wrc-23-regional](http://www.itu.int/go/wrc-23-regional)

## Asia-Pacific Telecommunity (APT)



- ▶ <http://www.apg.int/APTAPG>
- ▶ Chairman, APG-23:  
Dr. Kyu-Jin Wee (Rep. of Korea),  
[kjwee56@hotmail.com](mailto:kjwee56@hotmail.com)  
[aptapg@apg.int](mailto:aptapg@apg.int)
- ▶ APT Preliminary Views on WRC-23 agenda items  
(as a result of APG23-4)

## Arab Spectrum Management Group (ASMG)



- ▶ Chairman, AMSG:  
Mr. Tariq AL AWADHI, UAE,  
[tariq.alawadhi@tra.gov.ae](mailto:tariq.alawadhi@tra.gov.ae)
- ▶ Status of ASMG Preparation for WRC-23  
(October 2021)

### Meetings

## African Telecommunications Union (ATU)



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

## European Conference of Postal and Telecommunications Administrations (CEPT)



- ▶ <http://www.cept.org/ecc/groups/ecc/cpg>
- ▶ Chairman, CPG:  
Mr. Alexandre Kholod, Switzerland,  
[alexandre.kholod@bakom.admin.ch](mailto:alexandre.kholod@bakom.admin.ch)
- ▶ Status of CEPT Preparation for WRC-23 / RA-23  
(29 April 2022)

## Inter-American Telecommunication Commission (CITEL)



CITEL

- ▶ <http://www.citel.oas.org/en/Pages/PCCII>
- ▶ Chairman of the PCC.II Working Group for the Preparation of CITEL for Regional and World Radiocommunication Conferences:  
Mr. Victor Martinez, Mexico,  
[victor.martinezv@ift.org.mx](mailto:victor.martinezv@ift.org.mx)

## Regional Commonwealth in the Field of Communications (RCC)



- ▶ <http://en.rcc.org.ru>
- ▶ Chairman, RCC WG WRC-23/RA-23:  
Mr. Albert Nalbandian, Armenia,  
[abo441@mail.ru](mailto:abo441@mail.ru)
- ▶ Preliminary position of the RCC Administrations on the WRC-23 agenda items (version of 3 June 2022)

Informal Group Chairman: **Mr. K. Arasteh** (Secretary: **Mr. Ph. Aubineau**)





# ITU Inter-Regional Workshops on WRC-23 Preparation

- [Resolution 72 \(Rev. WRC-19\)](#) [www.itu.int/go/ITU-R/wrc-23-irwsp](http://www.itu.int/go/ITU-R/wrc-23-irwsp)



- Held halfway through the preparatory cycle
  - ⇒ Presentation and review of the on-going preparatory studies of the ITU-R responsible groups for CPM-23
  - ⇒ Presentation of the organization, preliminary views, draft priorities and positions of the regional groups

- [Website](#)
- [Documents](#)
- [Programme](#) with videos of sessions in 6 languages

**2<sup>nd</sup> IRW**  
**29 Nov. to**  
**1 Dec.**  
**2022**

- To be scheduled few months prior to CPM23-2
  - ⇒ Presentation of the draft CPM Report to WRC-23 (explanation of the draft Methods to satisfy WRC-23 agenda items)
  - ⇒ Presentation and review of the regional groups' draft views, positions and common proposals

**3<sup>rd</sup> IRW**  
**[27-29**  
**Sep. 2023]**

- To be scheduled few months prior to WRC-23
  - ⇒ Presentation of the CPM & Dir. Reports to WRC-23
  - ⇒ Presentation and review of the regional groups' draft views, positions and common proposals



# 2<sup>nd</sup> IRW on WRC-23 – Outline of tentative Programme

		Day 1 (Tuesday, 29 November 2022)	Day 2 (Wednesday, 30 November 2022)	Day 3 (Thursday, 1 December 2022)
Meeting of ITU-R Study Group 5 on 28 November 2022	0930 – 1015 hours <sup>1</sup> : <b>Opening Session</b> Status of preparation for CPM23-2, RA-23 and WRC-23, incl. organizations of regional groups		0900 – 1015 hours <sup>1</sup> : <b>Session 4</b> – [Aeronautical and maritime issues – WRC-23 AIs 1.9, 1.10 & 1.11 <sup>2</sup> ]	0900 – 1015 hours <sup>1</sup> : <b>Session 8</b> – [Satellite regulatory issues – WRC-23 AI 7 topics <sup>2</sup> ]
	1015-1045 hours <sup>1</sup> – Break			
	1045 – 1230 hours <sup>1</sup> : <b>Session 1</b> – [MS, IMT & HIBS issues – WRC-23 AIs 1.1, 1.2 & 1.4 <sup>2</sup> ]	1045 – 1200 hours <sup>1</sup> : <b>Session 5</b> – [Science issues – WRC-23 AIs 1.12, 1.13, 1.14 & 9.1 topic a) <sup>2</sup> ]	1045 – 1200 hours <sup>1</sup> : <b>Session 9</b> – [Satellite regulatory issues (cont'd) – WRC-23 AI 7 topics <sup>2</sup> ]	
		1200 – 1230 hours: <b>Special session with the BIPM</b> – Definition of time scale and dissemination of time signals via radiocommunication systems (Res. 655 (WRC-15))	1200 – 1230 hours: <b>Special session on NOW4WRC23</b>	
	1230-1400 hours – Break			
	1400 – 1515 hours: <b>Session 2</b> – [BS, MS & IMT issues – WRC-23 AIs 1.3 & 1.5 & 9.1 topic c) <sup>2</sup> ]	1400 – 1515 hours: <b>Session 6</b> – [Satellite issues – WRC-23 AIs 1.15 & 1.16 <sup>2</sup> ]	1400 – 1445 hours: <b>Session 10</b> – [General issues – WRC-23 AIs 2, 4 & 9.1 topics b) & d) <sup>2</sup> ]	
			1445 – 1515 hours: <b>Session 11</b> – Information on the WRC-27 agenda – WRC-23 AI 10 <sup>2</sup> ]	
	1515-1545 hours <sup>1</sup> – Break			
	1545 – 1700 hours: <b>Session 3</b> – [Aeronautical issues – WRC-23 AIs 1.6, 1.7 & 1.8 <sup>2</sup> ]	1545 – 1700 hours: <b>Session 7</b> – [Satellite issues (cont'd) – WRC-23 AIs 1.17, 1.18 & 1.19 <sup>2</sup> ]	1545 – 1630 hours: <b>Concluding and outlook session, Closing</b>	

<sup>1</sup> The timing of the sessions and/or the list of the WRC-23 agenda items/topics are indicative at this stage and may change subsequently, as deemed appropriate. Up-to-date information will be indicated in due course on the [event web page](#).

<sup>2</sup> Should include presentation and explanation of the ITU-R studies' results/status and the associated draft methods to satisfy the WRC-23 agenda items and topics (AIs) by the CPM Chapter (Co)-Rapporteurs and of the preliminary draft common views, positions and/or proposals from the regional groups (African Group/ATU, APT-APG, Arab Group/ASMG, CITEL-PCC.II, RCC, CEPT-CPG), administrations and other main international organizations (e.g. ICAO, IMO, WMO, BIPM, etc.), as well as other relevant stakeholders, as appropriate.





# Thank you!

ITU – Radiocommunication Bureau

Questions to [brmail@itu.int](mailto:brmail@itu.int)

