



WRC-31 preparation

Global ITU/WMO Seminar, 28-30 September 2026

EUROPEAN SPACE AGENCY

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WRC-27 Agenda Item 10

10 to recommend to the ITU Council items for inclusion in the agenda for the next world radiocommunication conference, and items for the preliminary agenda of future conferences, in accordance with Article 7 of the ITU Convention and Resolution 804 (Rev.WRC-23),

WRC-27 will decide the items for inclusion on the WRC-31 Agenda, based on proposals from ITU member states and regional organisations,

taking into account the preliminary WRC-31 Agenda, as contained in Resolution **814 (WRC-23)**

Items on the preliminary agenda of WRC-31 that are not supported by proposals at WRC-27 could be suppressed with the associated Resolutions, when Resolution **814 (WRC-23)** should be suppressed at the beginning of WRC-27.

Proposals on WRC-27 Agenda item 10:

- Derived from WRC-31 preliminary agenda items (Resolution **814**);
- Brand new proposals from ITU membership.

Preliminary WRC-31 Agenda

Resolution 814 (WRC-23) (ex.COM6/25) contains the WRC-31 preliminary agenda.

WRC-31 preliminary agenda Item	Topic	WRC Resolution (*) (English only)	Responsible Group(s)	Information from Responsible Group(s) ITES
2		-	-	-
2.1		Res. 721 (WRC-23) (ex.COM6/13)	WP 1A	Doc. 1A/145 (d) Sec. 1, 2.3, 2.3.1, 2.3.2
2.2		Res. 910 (WRC-23) (ex.COM6/14)	WP 1A	Doc. 1A/145 (d) Sec. 1, 2.2, 2.2.1, 2.2.2, Annex 1 (c)
2.3		Res. 133 (WRC-23) (ex.COM6/15)	WP 4A	See BR Administrative Circular CA/270 (a)
2.4		Res. 683 (WRC-23) (ex.COM6/16)	WP 4A	See BR Administrative Circular CA/270 (a)
2.5		Res. 251 (Rev.WRC-23)	WP 5D	See BR Administrative Circular CA/270 (a)
2.6		Res. 255 (WRC-23) (ex.COM6/17)	WP 5D (1)	See BR Administrative Circular CA/270 (a)
2.7		Res. 363 (Rev.WRC-23)	WP 5B	See BR Administrative Circular CA/270 (a)
2.8		Res. 366 (WRC-23) (ex.COM6/18)	WP 5B	See BR Administrative Circular CA/270 (a)
2.9		Res. 684 (WRC-23) (ex.COM6/19)	WP 4C	Doc. 4C/744 (d) Sec. 3.3, 5.1, 5.3.2-3, Att.1, Att.4, Annex 19
2.10		Res. 664 (Rev.WRC-23)	WP 7B	Doc. 7B/237 (d) Sec. 2.3, 3.3.1 & 3.4, Annex 5 (f)
2.11		Res. 685 (WRC-23) (ex.COM6/20)	WP 7B	Doc. 7B/237 (d) Sec. 2.3, 3.3.1 & 3.4, Annex 7 (f)
2.12		Res. 686 (WRC-23) (ex.COM6/21)	WP 7C	Doc. 7C/381 (d) Sec. 2.2, 3.3, 3.3.3, Table 1, Annex 3 (f)
2.13		Res. 722 (WRC-23) (ex.COM6/22)	WP 7C (2)	Doc. 7C/381 (d) Sec. 2.2, Table 1
2.14		Res. 235 (Rev.WRC-23)	WP 6A	See BR Administrative Circular CA/270 (a)

www.itu.int/en/ITU-R/study-groups/rcpm/Pages/wrc-31-preliminary-studies.aspx

WRC-31 Preliminary Agenda Item 2.10

2.10 to consider a possible new primary allocation to the Earth exploration-satellite service (Earth-to-space) in the frequency band 22.55-23.15 GHz, in accordance with Resolution 664 (Rev.WRC-23);

- Additional band for **Tracking and Telecommand for EESS missions**, to be paired with the band 25.5-27 GHz allocated to EESS (space-to-Earth).
- Preliminary studies performed in ITU-R (WP 7B) during the 2024-2027 study cycle
 - **Initial characteristics and protection criteria** for the EESS (Earth-to-space) in the 22.55-23.15 GHz band have been provided.
 - Sharing and compatibility studies needed under this preliminary agenda item have been identified and **several scenarios have been assessed**.

WRC-31 Preliminary Agenda Item 2.11

2.11 to consider an upgrade of the secondary allocation to the Earth exploration-satellite service (space-to-Earth) in the frequency band [37.5-40.5 GHz] or possible new worldwide frequency allocations on a primary basis to the Earth exploration-satellite service (space-to-Earth) in certain frequency bands within the frequency range [40.5-52.4 GHz], in accordance with Resolution 685 (WRC-23);

- Frequency band 37.5-40.5 GHz allocated worldwide to the EESS (space-to- Earth) on a secondary basis.
- Increased spectrum needs for **payload data transmissions** for Earth Observation missions.
- Preliminary studies performed in ITU-R (WP 7B) during the 2024-2027 study cycle
 - An initial assessment of **spectrum requirements**, existing **regulatory framework** was performed.
 - **Possible difficulties** for the sharing between EESS (s-E) and FSS/MSS in the same link direction, i.e. in **the 37.5-40.5 GHz and 40.5-42.5 GHz** frequency bands.
 - Future analysis on the frequency ranges would **consider the 42.5-50.2 GHz and 50.4 52.4 GHz bands**.

WRC-31 Preliminary Agenda Item 2.12

*2.12 to consider possible new allocations to the Earth exploration-satellite service (active) in the frequency bands [3 000-3 100 MHz] and [3 300-3 400 MHz] on a secondary basis, in accordance with Resolution **686 (WRC-23)**;*

- Frequency band 3100 – 3300 MHz allocated to EESS (active) on a secondary basis, mainly for operation of Synthetic Aperture Radar (**SAR**);
- Additional spectrum sought to increase **imaging resolution and accuracy**;
- Preliminary studies performed in ITU-R (WP 7C) during the 2024-2027 study cycle
 - Initial study on **technical and operating characteristics** of spaceborne active sensors that would operate in the band 3 000-3 400 MHz.

WRC-31 Preliminary Agenda Item 2.13

2.13 to consider studies on coexistence between spaceborne synthetic aperture radars operating in the Earth exploration-satellite service (active) and the radiodetermination service in the frequency band 9 200-10 400 MHz, with possible actions as appropriate, in accordance with Resolution 722 (WRC-23);

- Frequency bands 9200 – 9800 MHz and 9900 – 10400 MHz allocated to EESS (active) on a primary basis, band 9800 – 9900 MHz allocated to EESS (active) on a secondary basis, mainly for operation of Synthetic Aperture Radar (**SAR**) and scatterometer;
- Frequency band 9200 – 10400 MHz allocated to the radiolocation service and band 9200 – 9800 MHz allocated to the radionavigation service; and 9900 – 10400 MHz allocated to EESS (active) on a primary basis.
Meteorological radars operate in particular in the 9300-9500 MHz band.
- **Report ITU-R RS.2313** - *Sharing analyses of wideband Earth exploration-satellite service (active) transmissions with stations in the radio determination service operating in the frequency bands 8 700-9 300 MHz and 9 900-10 500 MHz*
 - Initial version: [RS.2313-0 \(2014\)](#)
 - Updated version: [RS.2313-1](#) approved in **2026 with clarifications** on the study results and assumptions (WP 7C).
 - No further study required during the 2024-2027 study cycle.

Other WRC-31 Preliminary Agenda Items with potential impact on spectrum for meteorology

Agenda item 2.1 – to consider potential new allocations to the fixed, mobile, radiolocation, amateur, amateur-satellite, radio astronomy, Earth exploration-satellite (passive and active) and space research (passive) services in the frequency range 275–325 GHz in the Table of Frequency Allocations of the Radio Regulations, with the consequential update of Nos. **5.149**, **5.340**, **5.564 A** and **5.565**, in accordance with Resolution **721 (WRC-23)**;

Agenda item 2.2 – to consider the possible [frequency bands] for [non-beam and beam] wireless power transmission to avoid harmful interference to the radiocommunication services caused by wireless power transmission, in accordance with Resolution **910 (WRC-23)**;

Agenda item 2.6 – to consider the identification of the frequency bands [102–109.5 GHz, 151.5–164 GHz, 167–174.8 GHz, 209–226 GHz and 252–275 GHz] for International Mobile Telecommunications, in accordance with Resolution **255 (WRC-23)**;

Proposals for WRC-31 Agenda Items

- Currently **under development** in national member states and Regional Groups



Asia-Pacific Telecommunity
(APT)



Arab Spectrum
Management Group
(ASMG)



African
Telecommunications Union
(ATU)



European Conference of Postal
and Telecommunications
Administrations (CEPT)



Inter-American
Telecommunication
Commission (CITEL)



Regional Commonwealth
in the Field of
Communications (RCC)

- To be published **as contributions to WRC-27** (Q2-Q3 2027)
- Follow the progress of Regional Groups at:**

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



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THANK YOU!

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