



Radiocommunication Bureau (BR)

Circular Letter
CCRR/73

24 May 2024

To Administrations of Member States of the ITU

Subject: **Draft rules of procedure to reflect WRC-23 decisions**

This circular letter, which contains draft rules of procedure related to the WRC-23 decisions, cancels and replaces circular letter CCRR/72, dated 2 May 2024.

At its 95th meeting, the Radio Regulations Board (RRB) considered the impact of WRC-23 decisions and the general practice of the Radiocommunication Bureau on current Rules of Procedure. As a result, the Board agreed on the schedule for the approval of draft new and modified rules of procedure contained in [Document RRB24-1/1\(Rev.1\)](#). Accordingly, the Bureau prepared a set of draft new or modified rules of procedure annexed to this Circular Letter:

- **Annex 1:** Addition of new rules of procedure on Nos. **5.254** and **5.255** and relevant modification of the existing rules of procedure on No. **9.11A**;
- **Annex 2:** Suppression of the rules of procedure on No. **5.523A**;
- **Annex 3:** Modification of the existing rules of procedure on No. **9.11A**;
- **Annex 4:** Modification of the existing rules of procedure on receivability of forms of notice and No. **9.27**;
- **Annex 5:** Addition of new rules of procedure on Annex 2 to Appendix 4 related to frequency assignments with very low power spectral density levels;
- **Annex 6:** Suppression of the rules of procedure on Appendix 1 to Annex 4 of Appendix **30B**;
- **Annex 7:** Modification to the existing rules of procedure on Nos. **5.312A**, **5.316B**, **5.341A**, **5.441B**, **5.446A** and **5.506A**, and Part A, Section A10;
- **Annex 8:** Suppression of the existing rules of procedure on Table 21-2 of Article **21**;
- **Annex 9:** Suppression of the existing rule of procedure on No. **27/58** of Appendix **27**;
- **Annex 10:** Modification to the existing rules of procedure in Part B, Section B6.

In accordance with No. **13.17** of the Radio Regulations, these draft rules of procedure are made available to administrations for comments before being submitted to the RRB pursuant to No. **13.14**. As indicated in No. **13.12A d)** of the Radio Regulations, any comments that you may wish to submit should reach the Bureau no later than **14 October 2024**, 1600 UTC in order to be considered at the 97th RRB meeting, scheduled for 11 – 19 November 2024. Comments should be sent by email to rrb@itu.int.

Mario Maniewicz
Director

Annexes: 10

Distribution:

- Administrations of Member States of ITU
- Members of the Radio Regulations Board

Annex 1

Addition of new rules of procedure on Nos **5.254** and **5.255**, and relevant modification of the existing rules of procedure on No. **9.11A**

Rules concerning**ARTICLE 5 of the RR****ADD**

<u>5.254 and</u> <u>5.255</u>
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When receiving frequency assignments of non-GSO MSS systems in the frequency bands, 312-315 MHz (Earth-to-space) and 387-390 MHz (space-to-Earth) only, the Board instructed the Bureau to only apply the provisions of No. **5.255** (as a consequence, these frequency assignments will have a secondary status).

In cases where frequency assignments submitted in the frequency bands, 312-315 MHz (Earth-to-space) or 387-390 MHz (space-to-Earth) overlap with other portions of the frequency bands mentioned in the additional allocation contained in No. **5.254** (e.g. 235-322 MHz and 335.4-399.9 MHz), both coordination under No. **9.11A** and agreement-seeking under No. **9.21** apply and the frequency assignments' status will be recorded in the MIFR with a reference to No. **5.254** in column 13B1 and "R" in column 13B2, in accordance with § 5.5 of the Rules of Procedures on No. **11.31**, footnote 1 of Appendix 5 and § 2.3 of the Rules of Procedures on No. **9.11A**.

In such cases, the notifying administration may also consider suitably modifying the assigned frequency band or to split it before its submission in order to ensure that a frequency assignment in the frequency bands, 312-315 MHz or 387-390 MHz is subject to No. **5.255** only.

Rules concerning

ARTICLE 9 of the RR*

9.11A

MOD

TABLE 9.11A-1

Applicability of the provisions of Nos. 9.11A-9.14 to stations of space services

1	2	3		4		5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Space services mentioned in a footnote referring to Nos. 9.11A, 9.12, 9.12A, 9.13 or 9.14, as appropriate		Other space services or systems to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate		Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	Terrestrial services in respect of which No. 9.14 apply equally	Notes
(...)								
312-315	5.255	Mobile-satellite (non-GSO)	↑	Mobile-satellite (GSO)	↑	9.12, 9.12A, 9.13	---	
312-315	5.255	Mobile-satellite (non-GSO) (5.254)	↑	Mobile-satellite (non-GSO) (5.254) Mobile-satellite (GSO) (5.254)	↓ ↓↑	9.12, 9.12A, 9.13	--- (See No. 5.254)	2
387-390	5.255	Mobile-satellite (non-GSO)	↓	Mobile-satellite (GSO)	↓	9.12, 9.12A, 9.13	---	
387-390	5.255	Mobile-satellite (non-GSO) (5.254)	↓	Mobile-satellite (non-GSO) (5.254) Mobile-satellite (GSO) (5.254)	↑ ↓↑	9.12, 9.12A, 9.13	--- (See No. 5.254)	2
(...)								

* This Rule of Procedure refers to Articles 9, 11, to Articles 4 and 5 of Appendices 30 and 30A, and to Articles 6 and 8 of Appendix 30B of the Radio Regulations.

Notes to Table 9.11A-1:

- ¹ Coordination thresholds indicated in Annex 1 to Appendix 5 apply only to the MOBILE-SATELLITE service.
- ² ~~For the status of this additional allocation with respect to other services see No. 5.254. (Not used).~~
- ³ See Rule of Procedure on No. 5.357.
- ⁴ The coordination of the non-GSO BROADCASTING-SATELLITE service (sound) in respect of terrestrial services is subject to the provisions of Resolution 539 (Rev.WRC-19).
- ⁵ For the applicability of the forms of coordination (Nos. 9.12, 9.12A or 9.13) to be applied between services mentioned in columns 3 and 4, please refer to the Rules of Procedure on frequency band 2 605-2 655 MHz and the Rules of Procedure relating to No. 5.418C, as appropriate.
- ⁶ For the relation between the MOBILE-SATELLITE service and earth stations in the METEOROLOGICAL-SATELLITE service, see also No. 5.380A.
- ⁷ **Note:** WRC-19 took the decision related to the coordination requirement under RR No. 9.7 for an inter-satellite link of a geostationary space station communicating with non-geostationary space station, as referred to in RR No. 5.328B, during the 8th Plenary, see items 3.11 to 3.15 of Doc. CMR19/569, approval of Doc. CMR19/451 in relation to section 3.1.2.1 of Doc. CMR19/4 (Add.2), as follows:

“In considering section 3.1.2.1 on ‘Coordination requirement under RR No. 9.7 for an inter-satellite link of a geostationary space station communicating with non-geostationary space station, as referred to in RR No. 5.328B’, in order to fulfil the requirements of RR No. 5.328B and of § 6.4 of the Rule of Procedure relating to RR No. 11.32, WRC-19 instructs the Bureau to establish coordination requirements for such link of a GSO station based on frequency overlap similar to that of a non-GSO station until such time as some other criteria or method is established.”

Reasons: to clarify that in the bands, 312-315 MHz and 387-390 MHz, non-GSO systems in the mobile-satellite service should be examined with respect to No. 5.255 and not with respect to No. 5.254.

Effective date of application of this Rule: immediately after approval.

Annex 2

Suppression of the rules of procedure on No. **5.523A**

Rules concerning

ARTICLE 5 of the RR

5.523A

SUP

***Reasons:** WRC-23 deleted the outdated part of this provision. Consequently, the rules of procedure on No. **5.523A** can be suppressed.*

Effective date of application of this Rule: 01.01.2025.

Annex 3Modification of the existing rules of procedure on No. **9.11A****Rules concerning****ARTICLE 9 of the RR*****9.11A****MOD**

TABLE 9.11A-1

Applicability of the provisions of Nos. 9.11A-9.14 to stations of space services

1	2	3	4	5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Space services mentioned in a footnote referring to Nos. 9.11A , 9.12 , 9.12A , 9.13 or 9.14 , as appropriate	Other space services or systems to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate	Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	Terrestrial services in respect of which No. 9.14 apply equally	Notes
117.975-137	5.198A	AERONAUTICAL MOBILE-SATELLITE (R) (non-GSO)	↓	---	9.12 , 9.14	AERONAUTICAL MOBILE (R) AERONAUTICAL MOBILE (OR) (Nos. 5.201 and 5.202)
		AERONAUTICAL MOBILE-SATELLITE (R) (non-GSO)	↑	---	9.12	
(...)						

Reasons: WRC-23 added new footnote **5.198A [5.A17]** "The use of the frequency band 117.975-137 MHz by the aeronautical mobile-satellite (R) service is subject to coordination under No. **9.11A**. No. **9.16** does not apply. Such use shall be limited to non-geostationary-satellite systems operated in accordance with international aeronautical standards. Resolution **406 [COM4/2] (WRC-23)** applies."

Effective date of application of this Rule: 01.01.2025.

* This Rule of Procedure refers to Articles **9**, **11**, to Articles 4 and 5 of Appendices **30** and **30A**, and to Articles 6 and 8 of Appendix **30B** of the Radio Regulations.

Annex 4

Modification of the existing rules of procedure on receivability of forms of notice and No. 9.27

Rules concerning

Rules concerning the Receivability of forms of notice generally applicable to all notified assignments submitted to the Radiocommunication Bureau in application of the Radio Regulatory Procedures*

1 Submission of information in electronic format

MOD

1.1 Space services

The Board noted the requirement for mandatory electronic filing and submission of comments/objections and requests for inclusion or exclusion specified in the *resolves* of Resolutions **55 (Rev.WRC-2319)** and **908 (Rev.WRC-15)**. It also noted that capture and validation software had been made available to administrations by the Bureau, including software to submit information required in Annex 2 of Resolution **552 (Rev.WRC-2319)** and in the Attachment to Resolution **553 (Rev.WRC-2315)**. Accordingly, all information indicated in the *resolves* of Resolution **55 (Rev.WRC-2319)**, in Annex 2 of Resolution **552 (Rev.WRC-2319)** and in the Attachment to Resolution **553 (Rev.WRC-2315)** under § 8 and § 9, shall be submitted to the Bureau in electronic format which is compatible with the BR electronic notice form capture software (SpaceCap and GIMS) and comments/objections software (SpaceCom)¹, using the ITU web interface “e-Submission of satellite network filings” available at <https://www.itu.int/itu-r/go/space-submission>.

1.2 NOC

* **Note:** WRC-15 took the decision related to the [Rule of Procedure](#) on the Receivability of forms of notice during the 8th Plenary, Par. 1.39 to 1.42 of Doc. CMR15/505, with the approval of Doc. CMR15/416 in relation to Section 3.2.2.4.1 of Doc. 4 (Add2) (Rev1), as follows:

“For the submission of a request for coordination under No. 9.30 related to a non-GSO satellite network or system, the notice will be receivable only in the cases described below:

- i) satellite systems with one (or more than one) set(s) of orbital characteristics and inclination value(s) with all frequency assignments to be operated simultaneously; and,*
- ii) satellite systems with more than one set of orbital characteristics and inclination values with, however, a clear indication that the different sub-sets of orbital characteristics would be mutually exclusive; in other terms, frequency assignments to the satellite system would be operated on one of the sub-sets of orbital parameters to be determined at the notification and recording stage of the satellite system at the latest.”*

¹ Except comments submitted in accordance with §§4.1.7, 4.1.9, 4.1.10 of Article 4 of Appendix **30** and **30A** with respect to additional uses under Article 4 and use of the guardbands under Article 2A of those Appendices in Region 1 and Region 3.

4 Other non-receivable submissions

There are, in addition to the above case of incomplete notice, other circumstances when a notice is not receivable. These cases are described in the following non-exhaustive paragraphs.

4.1 NOC

4.2 SUP ([Not used](#))

4.3 NOC

Rules concerning

ARTICLE 9 of the RR*

9.27

MOD

1 Frequency assignments to be taken into account in the coordination procedure

Frequency assignments to be taken into account in the coordination procedure are mentioned in § 1 to 5 of Appendix 5 (see also Rules of Procedure concerning No. 9.36 and Appendix 5).

1.1 The period between the date of receipt by the Bureau of relevant information under No. 9.1A for a satellite network and the date of bringing into use of the assignments of the satellite network in question shall in no circumstance exceed seven years as referred to in No. 11.44. Consequently, frequency assignments not complying with these time-limits will no longer be taken into account under the provisions of No. 9.27 and Appendix 5. (See also Nos. 11.43A, 11.48, Resolution 49 (Rev.WRC-2319) and Resolution 552 (Rev.WRC-2319).)

* This Rule of Procedure refers to Articles 9, 11, to Articles 4 and 5 of Appendices 30 and 30A, and to Articles 6 and 8 of Appendix 30B of the Radio Regulations.

2 Modification of characteristics of a satellite network during coordination

2.1 NOC

2.2 NOC

2.3 MOD

2.3 Based on these principles, and provided that the appropriate coordination trigger limit is exceeded, the modified part of the network will need to effect coordination with respect to space networks that are to be taken into account for coordination:

- a) networks with “2D-Date”² before D1³;
- b) networks with “2D-Date” between D1 and D2⁴, where the nature of the change is such as to increase the interference to or from, as the case may be, the assignments of these networks. In case of GSO networks referred to in No. 9.7, including those to which the coordination arc approach has been applied (see No. 9.7 of Table 5-1 of Appendix 5), the increase of interference will be measured in terms of $\Delta T/T$, or pfd values when Resolution 553 (Rev.WRC-23~~15~~) or Resolution 554 (WRC-12) apply. In case of non-GSO networks referred to in No. 9.7B, the increase of interference will be measured in terms of a cumulative distribution function of equivalent power-flux density (epfd) produced to these earth stations.

Reasons: Editorial modifications to update references to Resolutions 55 (Rev.WRC-23), 552 (Rev.WRC-23) and 553 (Rev.WRC-23), and the suppression of Resolution 908 (Rev.WRC-15) as introduced at WRC-23. Also, as WRC-23 suppressed API, Section 4.2 concerning a link between API and coordination request(s) is no longer required.

Effective date of application of the modified rules: 01.01.2025.

² The “2D-Date” is the date from which an assignment is taken into account as defined in § 1 e) of Appendix 5.

³ D1 is the original “2D-Date” of the network undergoing modification.

⁴ D2 is the date of receipt of request for modification. Concerning the date of receipt, see the Rule of Procedure on Receivability.

Annex 5

Addition of new rules of procedure on Annex 2 to Appendix 4 related to frequency assignments with very low power spectral density levels

Rules concerning

APPENDIX 4 to the RR

MOD

An. 2

ADD

C.8.a.2, C.8.b.2,
C.8.c.1, C.8.c.3

The Radiocommunication Bureau previously addressed the issue of excessive or unrealistic characteristics in satellite filings in the Reports of the Director to WRC-15 (see section 3.2.3.9 of revision 1 to Addendum 2 to Document CMR15/4) and WRC-19 (see section 3.4.3 of Addendum 2 to Document CMR19/4). Both Conferences expressed general support for raising those issues (see Documents CMR15/505 and CMR19/451) and invited ITU-R to review the parameters discussed in those sections of the Reports.

Although, at that time, the issue had been raised in general, bearing in mind certain specific submissions of geostationary satellite networks, the Bureau observed a sharp increase in the number of submissions of non-GSO satellite systems containing very low maximum power spectral density of emissions (below -100 dBW/Hz).

In view of the above, the Board decided that frequency assignments to GSO satellite networks with power spectral density levels below -100 dBW/Hz were not receivable, and frequency assignments to non-GSO satellite systems or networks with power spectral density levels below -100 dBW/Hz were only receivable if clarifications were provided to the Bureau on the use of very low power spectral density values (e.g. the mode of operation, the use of spread spectrum, etc.) as well as example link budget calculations demonstrating that the submitted required C/N ratio objective was met with sufficient interference margin.

Reasons: to clarify that frequency assignments to GSO satellite networks with power spectral density levels below -100 dBW/Hz are not receivable, and frequency assignments to non-GSO satellite systems or networks with power spectral density levels below -100 dBW/Hz are only receivable if clarifications are provided to the Bureau on the use of very low power spectral density values (e.g. the mode of operation, the use of spread spectrum, etc.) as well as example link budget calculations

demonstrating that the submitted required C/N ratio objective is met with sufficient interference margin.

Effective date of application of this Rule: immediately after approval.

Annex 6

Suppression of the rules of procedure on Appendix 1 to Annex 4 of Appendix **30B**

Rules concerning

APPENDIX 30B to the RR

Appendix 1 to Annex 4

SUP

***Reasons:** The formula for calculating the aggregate carrier-to-interference ratio, $(C/I)_{agg}$ was corrected by mentioning the correct values of the orbital separation to be used in computations.*

Effective date of application of this Rule: 01.01.2025.

Annex 7

Modification to the existing rules of procedure on Nos. **5.312A**, **5.316B**, **5.341A**, **5.441B**, **5.446A**, **5.506A** and in Part A, Section A10

Rules concerning

ARTICLE 5 of the RR

MOD

5.312A

1 This provision stipulates through Resolution **760 (Rev.WRC-1923)** that in Region 1, the use of frequency band 694-790 MHz by the mobile, except aeronautical mobile, service is subject to agreement obtained under No. **9.21** with respect to the aeronautical radionavigation service in countries mentioned in No. **5.312**.

2 The criteria for identifying potentially affected administrations under No. **9.21** in this band are given in the Annex to Resolution **760 (Rev.WRC-1923)** in the form of coordination distances with the most stringent value of a 450 km distance between a base station in the mobile service and a potentially affected station in the aeronautical radionavigation service.

3 NOC

4 Administrations having territories within a distance of 450 km from the countries listed in No. **5.312** are the following: Albania, Armenia, Austria, Azerbaijan, Bosnia and Herzegovina, Belarus, Bulgaria, Czech Rep., Germany, Denmark, Estonia, Finland, Georgia, Greece, Hungary, Croatia, Italy, Iraq, Kazakhstan, Kyrgyzstan, Lithuania, Latvia, Moldova, the Former Yugoslav Rep. of Macedonia, Montenegro, Mongolia, Norway, Poland, Romania, the Russian Federation, Sweden, Serbia, Slovakia, Slovenia, the Syrian Arab Republic, Tajikistan, Turkmenistan, Türkiye~~Turkey~~, Ukraine and Uzbekistan.

MOD

5.316B

1 NOC

2 The criteria for identifying potentially affected administrations under No. **9.21** in this band are given in Annex I to Resolution **749 (Rev.WRC-1923)** in the form of coordination distances with the most stringent value of a 450 km distance between a base station in the mobile service and a potentially affected station in the aeronautical radionavigation service.

3 NOC

4 Administrations having territories within a distance of 450 km from the countries mentioned in No. **5.312** are the following: Albania, Armenia, Austria, Azerbaijan, Bosnia and Herzegovina, Belarus, Bulgaria, Czech Rep., Germany, Denmark, Estonia, Finland, Georgia, Greece, Hungary, Croatia, Italy, Iraq, Kazakhstan, Kyrgyzstan, Lithuania, Latvia, Moldova, the Former Yugoslav Rep. of Macedonia, Montenegro, Mongolia, Norway, Poland, Romania, the Russian Federation, Sweden, Serbia, Slovakia, Slovenia, the Syrian Arab Republic, Tajikistan, Turkmenistan, [TürkiyeTurkey](#), Ukraine and Uzbekistan.

MOD

5.341A

1 **NOC**

2 **NOC**

3 Administrations having territories within a distance of 670 km from the countries mentioned in No. **5.342** are the following: Albania, Armenia, Austria, Azerbaijan, Bosnia and Herzegovina, Belarus, Bulgaria, Czech Rep., Germany, Denmark, Estonia, Finland, Georgia, Greece, Hungary, Croatia, Iraq, Italy, Kazakhstan, Kyrgyzstan, Lithuania, Latvia, Moldova, the former Yugoslav Republic of Macedonia, Montenegro, Mongolia, Norway, Poland, Romania, the Russian Federation, Sweden, Serbia, Slovakia, Slovenia, the Syrian Arab Republic, Tajikistan, Turkmenistan, [TürkiyeTurkey](#), Ukraine and Uzbekistan.

MOD

5.441B

This provision stipulates, *inter alia*, that before an administration brings into use an IMT station in the mobile service in the frequency band 4 800-4 990 MHz, it shall ensure that the power flux-density (pfd) produced by this station does not exceed $-155 \text{ dB(W/(m}^2 \cdot 1 \text{ MHz))}$ 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. Resolution **223 (Rev.WRC-1923)** applies.

Considering that this provision and Resolution **223 (Rev.WRC-1923)** do not specify the propagation model to be used for the calculation of the pfd produced by IMT stations in the band 4 800 -4 990 MHz, the Board decided that Recommendation ITU-R P.528-4, for 1% of time, is to be used for this calculation.

MOD

5.446A

1 This provision stipulates that the use of the bands 5 150-5 350 MHz and 5 470-5 725 MHz by the stations in the mobile, except aeronautical mobile, service shall be in accordance with Resolution

229 (Rev.WRC-1923). Accordingly, Resolution **229 (Rev.WRC-1923)** specifies that the use of these bands, by the mobile service, will be for the implementation of wireless access systems (WAS) including radio local area networks (RLAN) (see *resolves* 1) and, in addition to this, it specifies the maximum e.i.r.p. levels for stations in the mobile service (see *resolves* 2, 3, 5 and 7).

As far as the band 5 150-5 350 MHz is concerned, the situation is rather simple, given the fact that the provisions of Resolution **229 (Rev.WRC-1923)** are applicable to all stations in the mobile, except aeronautical mobile, service, with the exception of cases referred to in No. **5.447**, which apply to the band 5 150-5 250 MHz and where other (e.g. less stringent) conditions may be established in the context of the application of the procedure of No. **9.21**.

On the other hand, the situation in the band 5 470-5 725 MHz is more complex, bearing in mind that other provisions are applicable to stations in the mobile, except aeronautical mobile, service (e.g. those indicated in Nos. **5.451**, **5.453** and in Table **21-2** of Article **21**), which are stipulating different conditions (e.g. power limits) than the ones indicated in Resolution **229 (Rev.WRC-1923)**. Consequently, administrations referred to in No. **5.453** (for the band 5 650-5 725 MHz) and in No. **5.451** (for the band 5 470-5 725 MHz) may implement other applications in the mobile, except aeronautical mobile, service, which are not necessarily WAS, subject to compliance with the conditions set forth in No. **5.451** and the power limits set forth in Table **21-2** of Article **21**.

2 Given the fact that, for the implementation of WAS, high deployment densities are expected, such implementation options could be adequately covered through notifications in the form of typical stations. The notification of terrestrial stations in the mobile, except aeronautical mobile, service in the form of typical stations is normally possible with no restrictions in the bands 5 150-5 350 MHz and 5 470-5 670 MHz in all countries, and in the band 5 670-5 725 MHz in the countries not mentioned in No. **5.453**. However, provision No. **11.21A**, in conjunction with Table **21-2**, does not provide for the possibility of notifying terrestrial stations in the mobile, except aeronautical mobile, service, in the form of typical stations, for the band 5 670-5 725 MHz, for the countries listed in No. **5.453**. The strict application of these provisions would mean that the countries listed in No. **5.453** cannot notify their WAS applications in the form of typical stations, even though they conform with the limits of Resolution **229 (Rev.WRC-1923)**. The Board concluded that such a restricted interpretation of all the relevant provisions for the band 5 670-5 725 MHz, for the countries listed in No. **5.453**, would result in unnecessary burden for both the administrations listed in No. **5.453** and the Bureau. Consequently, the Board instructed the Bureau to accept notifications for mobile, except aeronautical mobile, stations, in the form of typical stations, from the administrations listed in No. **5.453**, provided that the maximum e.i.r.p. does not exceed 1 W, which implies that each typical station notice receivable in the band 5 670-5 725 MHz (with an e.i.r.p. of less than or equal to 1 W) is deemed to be part of a WAS.

MOD

5.506A

As from 5 July 2003, No. **5.506A** requires ship earth stations in the frequency band 14-14.5 GHz with an e.i.r.p. greater than 21 dBW to operate under the same conditions as earth stations located on board vessels, as provided in Resolution **902 (Rev.WRC-0323)**. While Annex 2 of that Resolution specifies a minimum antenna diameter of 1.2 m, Appendix **4** does not include antenna diameter of these ship earth stations as a required data element. The Bureau is instructed to use antenna gain value of 42.5 dBi when checking the compliance

with the minimum ship earth station antenna diameter requirement (the relation between gain and diameter is derived for the lowest frequency of the band, i.e. $f \approx 14$ GHz, and antenna efficiency of 57.2%).

**Rules concerning
PART A10**

**Rules concerning the Regional Agreement relating to the planning of the
digital terrestrial broadcasting service in parts of Regions 1 and 3,
in the frequency bands 174-230 MHz and 470-862 MHz
(Geneva, 2006) (GE06)**

Annex 4

...

Appendix 1 to Section I

- A Coordination trigger field strengths for the protection of the broadcasting and other primary services from a modification to the Plan**
- A.2 Coordination trigger field strengths to protect the mobile service in the bands 174-230 MHz and 470-862 MHz**

MOD

Table A.1.3 of this section contains the system type codes for mobile service systems and their corresponding coordination trigger field-strength values to protect from DVB-T. These coordination triggers cannot be applied to IMT-2000 and IMT-Advanced stations, since the specific systems listed in the Table do not belong to the IMT “family” of standards. As for a generic code ‘NB’ contained in the Table, it cannot be used for IMT systems, pursuant to Resolutions **749 (Rev.WRC-1923)** and **760 (Rev.WRC-1923)**.

...

Reasons: Editorial modifications to reflect the change of the country name from Turkey to Türkiye and update of the references Resolutions **223 (Rev.WRC-23)**, **229 (Rev.WRC-23)**, **749 (Rev.WRC-23)**, **760 (Rev.WRC-23)** and **902 (Rev.WRC-23)** as introduced at WRC-23.

Effective date of application of the modified rules: 01.01.2025.

Annex 8

Suppression of the existing rule of procedure on Table 21-2 of Article **21**

Rules concerning

ARTICLE 21 of the RR

SUP

Table 21-2

*Reasons: WRC-23 decided to incorporate the band, 24.75-25.25 GHz in Region 1 in Table **21-2** of Article **21**, therefore the rule is no longer necessary.*

Effective date of suppression of this rule: 01.01.2025.

Annex 9

Suppression of the existing rule of procedure on No. **27/58** of Appendix **27**

Rules concerning

APPENDIX 27 to the RR

SUP

27/58

***Reasons:** WRC-23 decided to integrate the content of the rule into Nos. **27/57, 27/58** and **27/60** of Appendix **27**, therefore the rule is no longer necessary.*

Effective date of suppression of this rule: 01.01.2025.

Annex 10
Modification to the existing rules of procedure in Part B, Section B6

Rules concerning

PART B

SECTION B6

MOD

Rules concerning criteria for applying the provisions of No. 9.36 to a frequency assignment in the terrestrial services whose allocation or identification is governed by Nos. 5.292, 5.293, 5.295, 5.296A, 5.297, 5.308, 5.308A, 5.309, 5.323, 5.325, 5.326, 5.341A, 5.341C, 5.346, 5.346A, ~~5.429D~~, 5.429F, 5.430A, 5.431A, 5.431B, 5.432B, ~~5.434~~¹ and 5.553A

...

2 For identification of the administrations whose agreement may need to be obtained, in the context of the provisions of Nos. 5.292, 5.293, 5.295, 5.296A, 5.297, 5.308, 5.308A, 5.309, 5.323, 5.325, 5.326, 5.341A, 5.341C, 5.346, 5.346A, ~~5.429D~~, 5.429F, 5.430A, 5.431A, 5.431B, 5.432B, ~~5.434~~ and 5.553A, the following criteria are applied:

...

TABLE 1
Applicability of No. 9.21

Footnote	Frequency band (MHz)	Allocated service (No. 9.21)	Protected service
<i>Editor's note: No changes in the other frequency bands</i>			
...			
5.429D	3 300-3 400	LMS (IMT)	RLS
...			
5.434	3 600-3 700	LMS (IMT)	FS, FSS
...			

...

3.7 For protection of the radiolocation service in the frequency band 3 300-3 400 MHz from IMT in the context of the provisions of Nos. ~~5.429D~~ and ~~5.429F~~, the coordination distance is contained in Table 3.

¹ See also Rules of Procedure to Nos. ~~5.312A, 5.316B, 5.341A and 5.346.~~

TABLE 3

**Coordination distance for protection of the RLS
(from the IMT system, effective antenna height 30 m)
in the frequency band between 3 300-3 400 MHz**

Footnote	Frequency range (MHz)	Allocated service (application) (No. 9.21)	Protected service	Coordination distance (km)
5.429D 5.429F	3 300-3 400	LMS (IMT)	RLS	616

NOTE – The coordination distance was calculated using the propagation curves of Recommendation ITU-R P.528-3 for 1% of time and 50% of locations with the interference level of –107 dBm for protection of the airborne radar at the height of 10 000 m derived from Recommendation ITU-R M.1465-3. A reference IMT Advanced station was assumed as having radiated power of 31 dBW (e.i.r.p.) and a bandwidth of 10 MHz as used in Report ITU-R M.2292-0.

3.8 For the protection of the fixed and fixed-satellite services in the frequency bands between 3 400 MHz and 3 700 MHz from the mobile, except aeronautical mobile, service in the context of the provisions of Nos. **5.430A**, **5.431A** and **5.432B**, and from IMT in the context of the provisions of Nos. **5.431B** and **5.434**, the power flux density of –154.5 dB(W/m²·4 kHz)²¹ produced at the height of 3 m above ground level is used.

Based on the above pfd value the coordination distances are calculated using Recommendation ITU-R P.452-16 for 20% of time with smooth Earth terrain profile.

Reasons: WRC-23 deleted reference to No. **9.21** from the modified Nos. **5.429D** and **5.434** dealing with the identification of the frequency bands, 3 300-3 400 MHz and 3 600-3 700 MHz for administrations wishing to use IMT systems. Consequently, the provisions for Nos. **5.429D** and **5.434** should be removed from the Rules of Procedure in Part B, Section B6.

Effective date of application of the modified rule: 01.01.2025.

²¹This value was decided by WRC-07 based on the protection of a typical earth station in the fixed-satellite service.