



Radiocommunication Bureau
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Circular Letter
CCRR/18

19 March 2002

To Administrations of Member States of the ITU

Subject: Draft modifications to the Rules of Procedure

To the Director General

Dear Madam/Sir,

Following the conclusions reached by WRC-2000 (Istanbul, 2000), the Radiocommunication Bureau identified a number of cases, which would appear to require new Rules of Procedure or the modification or suppression of existing Rules of Procedure.

In this Circular Letter, please find enclosed the set of draft Rules of Procedure which are intended for consideration by the RRB at its 27th Meeting (3 – 7 June 2002). The proposals in this Circular Letter relate to the following provisions:

- Rule of Procedure concerning No. 5.311 of the RR (Annex 1).
- Rules of Procedure concerning Nos. 5.416 and 9.11 of the RR (Annex 2).
- Deletion of the current Rules of Procedure relating to No. 23.13 and draft new Rules of Procedure relating to Nos. 23.13B and 23.13C of the RR (Annex 3).
- Draft modification to the current Rules of Procedure relating to Sections 3.5.1 and 3.8 of Annex 5 to Appendix 30 and Section 1.7 of Annex 3 to Appendix 30A of the RR (Annex 4).
- Draft new Rules of Procedure relating to §§ 6.24, 6.34, 6.43, 6.50 and 6.56 of Article 6 of Appendix 30 B of the RR (Annex 5).
- Draft new Rules of Procedure relating to §§ 6.12, 6.24, 6.43 and 6.56 of Article 6 of Appendix 30B of the RR (Annex 6).
- Rules of Procedure concerning Appendix 4, Annex 2A, item C.10 of the RR (Annex 7).

At its 26th Meeting, the RRB considered the issue of “typical” associated space stations in the space-to-space Radionavigation-Satellite Service (RNSS) (item 6.4 of the Director’s Report to the RRB) and asked the Bureau to prepare a draft Rule of Procedure to cover it, pending possible consideration by WRC-03. Annex 7 is a draft Rule of Procedure on this issue.

In accordance with Article **13.17** of the Radio Regulations, these proposals are made available to administrations for comment before being submitted to the RRB pursuant to Article **13.14**.

To enable the Radiocommunication Bureau to prepare, translate and post on the ITU website the consolidated submission to the RRB in time for the 27th Meeting, which commences on 3 June 2002, any comments that you may wish to submit should reach the Bureau **not later than 4 May 2002**. All e-mail comments should be sent to: <mailto:brmail@itu.int>.

Yours faithfully,

Robert W. Jones
Director, Radiocommunication Bureau

Annexes: 7

Distribution:

- Administrations of Member States of the ITU
- Members of the Radio Regulations Board
- Director and Heads of Department of the Radiocommunication Bureau

ANNEX 1

Rule of Procedure on No. 5.311

ADD

5.311

1 In accordance with footnote No. 5.311, assignments in the band 620-790 MHz may be made to television stations using frequency modulation in the broadcasting-satellite service (BSS) subject to agreement between the administrations concerned and those having services, operating in accordance with the Table of Frequency Allocations, which may be affected. References are also made to Resolutions 33 (Rev.WRC-97) and 507, and to power flux-density limits not to be exceeded on the territories of countries without their consent.

2 The Board carried out an in-depth review of the footnote, to determine its scope of application (i.e. parties involved in the agreement seeking procedure) and the relationship between the references to Resolutions 33 and 507 procedures and the power flux-density limits and Recommendation 705. The Board's conclusions are as follows.

3 The Board understands that the agreement to be obtained is between "the administrations concerned", i.e. the administrations making assignments to television stations in the broadcasting-satellite service in the band 620-790 MHz, and those administrations "having services, operating in accordance with the Table, which may be affected".

4 Taking into account the similarity between the references to the application of power flux-density limits mentioned in the footnote and the wording of Nos. 21.16 and 21.17, and considering Resolution 33 (Rev.WRC-97), Resolution 507 and Recommendation 705, the Board instructed the Bureau to proceed as follows:

a) to examine BSS (television) assignments in the band 620-790 MHz under No. 11.31 with respect to the "hard" power flux-density limit $-129 \text{ dB(W/m}^2\text{)}$ for angle of arrival less than 20° ; and to provide a finding based on the respect of this limit, i.e. favourable finding if the limit is not exceeded, unfavourable finding otherwise (except if the administrations on the territory of which the limit is exceeded have so agreed);

b) to apply the procedure of Section A of Resolution 33 (Rev.WRC-97) or the procedure under No. 9.11, as appropriate, to any BSS (television) frequency assignments with favourable finding under No. 11.31 (including the compliance with the "hard" power flux-density limit specified in item a) above) in the band 620-790 MHz if the power flux-density at the Earth's surface produced by the emissions from the space station, on the territory of any other country, exceeds:

$$\begin{array}{ll} -129 + 0.4 (\delta - 20) \text{ dB(W/m}^2\text{)} & \text{for } 20^\circ < \delta \leq 60^\circ \\ -113 \text{ dB(W/m}^2\text{)} & \text{for } 60^\circ < \delta \leq 90^\circ \end{array}$$

where δ is the angle of arrival above the horizontal plane (degrees);

c) to apply also the procedures of Sections B and C of Resolution 33 (Rev.WRC-97) or the procedures under No. 9.7, Articles 11 and 23, as appropriate, to the assignments specified in item b) above.

ANNEX 2

Rule of Procedure on No. 5.416 and No. 9.11

MOD

5.416

See comments under the Rules of Procedure concerning Nos. 5.415 and 9.11.

ADD

9.11

1 Some allocations to the broadcasting-satellite service (BSS), e.g. in the bands 2 520-2 670 MHz and 40.5-42 GHz, are subject to power flux-density limits given in Article 21, Table 21-4. BSS frequency assignments in these bands are also subject to coordination procedures as mentioned in Article 9, and in particular the procedure under No. 9.11 for a space station in the BSS in any band shared on an equal primary basis with terrestrial services, in respect of terrestrial services. The Board studied the relationship between the application of the procedure under No. 9.11 and the obligation for frequency assignments to comply with "hard" limits that are included in Article 21.

2 The Board is of the view that hard limits applying to power flux-density at the Earth's surface produced by emissions from a space station serve the purpose of protecting terrestrial stations and it decided to instruct the Bureau to act as follows:

- a) to examine BSS frequency assignments under No. 11.31 with respect to "hard" power limits as indicated in Article 21, when such limits exist;
- b) to provide a finding based on the respect of "hard" limits established for the sharing between BSS and terrestrial services, i.e. favourable finding if the limits are not exceeded, unfavourable finding otherwise;
- c) to consider BSS frequency assignments with "favourable" finding under No. 11.31 to have successfully fulfilled the sharing mechanism between BSS and terrestrial services, and therefore not to apply No. 9.11 coordination procedure in this specific case.

ANNEX 3

Deletion of the current Rules of Procedure relating to No. 23.13 and draft new Rules of Procedure relating to Nos. 23.13B and 23.13C

1 Due to the adoption of the new Nos. 23.13A, 23.13B and 23.13C by WRC-2000, it is proposed to delete the current Rules of Procedure relating to No. 23.13.

2 It is understood that No. 23.13B is applicable to Special Sections published as of 1 January 2002 and that No. 23.13C is applicable to all broadcasting-satellite service (except sound broadcasting) networks.

3 Taking into account the discussions held at WRC-2000, when any of the test points is in the territory of the objecting administration, the notifying administration should have the opportunity to move or add test points to ensure that the rest of the service area is not adversely affected (see § 11.16 in Document CMR2000/540). It is further understood that the notifying administration shall have the opportunity to move test points but not to add test points because any increase in the original number of test points is considered to be outside the scope and beyond the objective of ensuring that the rest of the service area is not adversely affected.

4 In view of the above, draft new Rules of Procedure relating to Nos. 23.13B and 23.13C are also proposed in order to clarify the implementation of these new numbers thus avoiding any future misunderstanding.

Rules concerning ARTICLE 23 of the RR

SUP

23.13

ADD

**23.13B
and 23.13C**

1 In case of a disagreement by an administration on the inclusion of its territory in the service area of a broadcasting-satellite service (except sound broadcasting) network, the Bureau shall modify the service area by excluding the territory of the objecting administration, and for submissions under Article 4 of Appendix 30 the test points situated on that territory, from the service area of the proposed BSS space station. The exclusion of the territory of the objecting administrations from the service area shall be reflected in the Bureau's Space Network System (SNS). In these cases, the reception of the emission of the BSS space station is not entitled to protection within the territory excluded from the service area.

2 If, as a consequence of the above, the notifying administration requests the Bureau to move test points to ensure that the rest of the service area is not adversely affected, the Bureau shall implement the requested changes and update the Reference Situation of the subject network. Nevertheless, the Bureau does not need to review the coordination requirements of subsequent networks that have already been published as result of the above-mentioned update.

ANNEX 4

Draft modification to the current Rules of Procedure relating to Sections 3.5.1 and 3.8 of Annex 5 to Appendix 30 and Section 1.7 of Annex 3 to Appendix 30A

The following modifications to the current Rules of Procedure relating to Sections 3.5.1 and 3.8 of Annex 5 to Appendix **30** and Section 1.7 of Annex 3 to Appendix **30A** are proposed in order to take into account the last [draft]* revision of Recommendation ITU-R BO.1293, i.e.

Recommendation ITU-R BO.1293-2, [which has been circulated for adoption in Circular Letter 6/LCCE/12 of 23 October 2001 and CAR/127 dated 31 January 2002,]* in order to avoid any future misunderstanding in the application of this Recommendation by administrations or the Bureau.

As agreed during the preparation of Recommendation ITU-R BO.1293-2 at the last ITU-R WP 6S meeting (Geneva, 19-28 September 2001) and as reflected in *recommends* 1 and 2 of this Recommendation, only Annexes 1 and 2 of this Recommendation should be implemented for any EPM/OEPM calculations carried out by the Bureau under Articles 4 and 5 of Appendices 30 and 30A. As also reflected in NOTE 1 of this Recommendation, its Annex 3, which described a more precise and more specific calculation method, may be applied for bilateral coordination between administrations, but cannot be applied by the Bureau to deal with all cases submitted under Articles 4 and 5 of Appendices 30 and 30A.

An. 5

Technical data used in establishing the plan and which should be used for their application

3.5.1 and 3.8

These sections govern the channel spacing between the assigned frequencies of two adjacent channels and the necessary bandwidth values for systems in the Plans for Regions 1, 2 and 3. They also state that if different frequency spacing and/or bandwidths are submitted, they will be treated in accordance with applicable ITU-R Recommendations for protection masks when available. "In the absence of such Recommendations, the Bureau will use the worst-case approach as adopted by the Radio Regulations Board."

* Editorial note: it is proposed to delete the square brackets and text within those square brackets, as well as this footnote, once the procedure for adoption of Recommendation ITU-R BO.1293-2 is complete.

Noting that ~~available~~ ITU-R Recommendations [BO.1293-2](#) provides only a method for calculation of interference between assignments using different channelling and bandwidth in the case of a digital interferer, the Board therefore decided that, as an interim measure, until the applicable ITU-R Recommendations for protection masks/calculation method are available the calculation methods shown in the Table 1 shall be applied when calculating interference between two assignments in the Plans and/or modifications to Plans:

TABLE 1

Wanted assignment	Interfering assignment	Method to be applied
"Standard" ¹ analogue	"Standard" analogue	As defined in Annex 5 to Appendix 30
"Non-standard" analogue	"Standard" analogue	As described in the Bureau's internal Rule relating to MSPACE Manual
"Standard" analogue	"Non-standard" analogue	As described in the Bureau's internal Rule relating to MSPACE Manual
"Non-standard" analogue	"Non-standard" analogue	As described in the Bureau's internal Rule relating to MSPACE Manual
Digital	"Standard" or "non-standard" analogue	As described in the Bureau's internal Rule relating to MSPACE Manual
"Standard" or "non-standard" analogue	Digital	As defined in Recommendation ITU-R BO.1293- 2 ²
Digital	Digital	As defined in Recommendation ITU-R BO.1293- 2 ²

¹ Standard analogue assignments are those assignments which use the following parameters:

- For Regions 1 and 3: 27 MHz bandwidth, 19.18 MHz channel spacing and the assigned frequencies as specified in Article 11 of Appendix 30.
- For Region 2: 24 MHz bandwidth, 14.58 MHz channel spacing and the assigned frequencies as specified in Article 10 of Appendix 30.

² ~~Although Recommendation ITU-R BO.1293-2 without its Annex 3 is applied instead of Recommendation ITU-R BO.1293-1, which is referred to in § 3.4 of Annex 5 to Appendix 30 and § 3.3 of Annex 3 to Appendix 30A, Recommendation ITU-R BO.1293 continues to apply until a new version is available, which will contain the necessary elements to deal with some "new" characteristics of the assignments included in the WRC 2000 Plans.~~

An. 3

Technical data used in establishing the Plan and which should be used for their application

1.7

The footnote to this provision states that "in certain cases (e.g. when channel spacing and/or bandwidth are different from the values given in § 3.5 and 3.8 of Annex 5 to Appendix 30), equivalent protection margins for the second adjacent channels may be used. Appropriate protection masks included in ITU-R Recommendations should be used if available. Until a relevant ITU-R Recommendation is incorporated in this Annex by reference, the Bureau will use the worst-case approach as adopted by the Radio Regulations Board."

Noting that ITU-R Recommendation BO.1293-2 (incorporated in this Annex by reference) provides only a method for calculation of interference between assignments using different channelling and bandwidth in the case of a digital interferer, the Board therefore decided that, as an interim measure, until the applicable ITU-R Recommendations for protection masks/calculation method are available the calculation methods shown in Table 1 shall be applied when calculating interference between two assignments in the Plans and/or modifications to Plans.

TABLE 1

Wanted assignment	Interfering assignment	Method to be applied
"Standard" ¹ analogue	"Standard" analogue	As defined in Annex 3 to Appendix 30A
"Non-standard" analogue	"Standard" analogue	As described in the Bureau's internal Rule relating to MSPACE Manual
"Standard" analogue	"Non-standard" analogue	As described in the Bureau's internal Rule relating to MSPACE Manual
"Non-standard" analogue	"Non-standard" analogue	As described in the Bureau's internal Rule relating to MSPACE Manual
Digital	"Standard" or "non-standard" analogue	As described in the Bureau's internal Rule relating to MSPACE Manual
"Standard" or "non-standard" analogue	Digital	As defined in Recommendation ITU-R BO.1293- <u>2</u> ²
Digital	Digital	As defined in Recommendation ITU-R BO.1293- <u>2</u> ²

- ¹ Standard analogue assignments are those assignments which use the following parameters:
- *for Regions 1 and 3*: 27 MHz bandwidth, 19.18 MHz channel spacing and the assigned frequencies as specified in Article 9A of Appendix **30A**;
 - *for Region 2*: 24 MHz bandwidth, 14.58 MHz channel spacing and the assigned frequencies as specified in Article 9 of Appendix **30A**.
- ² ~~Although Recommendation ITU-R BO.1293-2 without its Annex 3 is applied instead of Recommendation ITU-R BO.1293-1, which is referred to in § 3.4 of Annex 5 to Appendix **30** and § 3.3 of Annex 3 to Appendix **30A**, Recommendation ITU-R BO.1293 continues to apply until a new version is available, which will contain the necessary elements to deal with some "new" characteristics of the assignments included in the WRC-2000 Plans.~~

ANNEX 5

Draft new Rules of Procedure relating to §§ 6.24, 6.34, 6.43, 6.50 and 6.56 of Article 6 of Appendix 30B

1 Due to the large number of proposed subregional systems to be processed under Section II of Article 6 of Appendix 30B, a reduction of the period for receipt of comments mentioned in §§ 6.34 and 6.50 of Article 6 from 60 days to 30 days would significantly accelerate the treatment of all networks submitted under that Appendix. This suggestion was presented by the Bureau in its contribution to the first meeting of the SATBAG (Geneva, 1-2 October 2001), Document SATBAG-01/6 refers.

2 In response to Circular Letter CCRR/16 dated 24 September 2001, where administrations were invited to submit proposals pursuant to Council Resolution 1182, the Administration of Viet Nam submitted a contribution to the 25th meeting of the RRB (Geneva, 3-7 December 2001) on the improvement of the processing of notices under Appendix 30B which contained that same suggestion, Document RRB2001/290 refers¹.

3 In addition to that, a simultaneous treatment of multiple consecutive submissions from the same administration under § 6.24, 6.43 or 6.56 of Article 6, subject to the workload of the Bureau and the explicit agreement of the responsible administration, would help to shorten the time required for processing all submitted networks as requested by Council Resolution 1182.

4 In view of the above, the following draft new Rules of Procedure relating to §§ 6.24, 6.34, 6.43, 6.50 and 6.56 of Article 6 of Appendix 30B are proposed in order to accelerate the processing of all networks submitted under that Appendix.

6.24

ADD

Treatment of multiple consecutive submissions from the same administration

8 The Board, in reviewing the implementation of the regulatory procedures of Appendix 30B, noted that simultaneous treatment of multiple consecutive submissions received from the same administration under § 6.24, 6.43 or 6.56 without any submission from other administrations received in between, whenever feasible and subject to the agreement of the responsible administration, would significantly accelerate the processing of all networks submitted under that Appendix.

9 In view of the above, the Board decided to instruct the Bureau to apply the following course of action:

¹ Need for a rule was also submitted to the tenth meeting of the RAG (from 25 February to 1 March 2002) and RAG, within its competence regarding operational planning, invited the BR to give priority in developing suitable Rules of Procedure, with a view to their consideration by the RRB in June 2002.

In the case where multiple consecutive complete notices belonging to the same Administration have to be examined under § 6.24, 6.43 or 6.56 without any notice from other administrations in between, the Bureau shall implement, whenever feasible and subject to the agreement of the responsible Administration, the following measures, where applicable, in order to accelerate to the maximum extent possible the processing of the notices:

- Simultaneous treatment of the information related to the 6/4 and 13/11-10 GHz frequency bands of the same network having the same or different date of receipt.
- Sequential examination of networks having the same or different date of receipt while providing the period for change or adjustments of characteristics mentioned in item 5 of the Rules of Procedure relating to § 6.12 for all these networks starting at the same date. The publication of all related Special Sections, where applicable, shall be included in the same BR IFIC.

6.34

ADD

1 The Board, in reviewing the implementation of the regulatory procedures of Appendix 30B, noted that a reduction to 30 days of the 60-day period mentioned in §§ 6.34 and 6.50 for receipt of comments would significantly accelerate the processing of all networks submitted under that Appendix.

2 In view of the above, the Board decided to instruct the Bureau to apply a 30-day period for receipt of comments instead of the 60-day period mentioned in §§ 6.34 and 6.50.

3 The Board considers the above as measures to respond to Council Resolution 1182 to be used on a provisional basis until further decision by WRC-03.

6.43

ADD

See items 8 and 9 in the comments made under the Rules of Procedure relating to § 6.24.

6.50

ADD

See comments made under the Rules of Procedure relating to § 6.34.

6.56

ADD

See items 8 and 9 in the comments made under the Rules of Procedure relating to § 6.24.

ANNEX 6

Draft new Rules of Procedure relating to §§ 6.12, 6.24, 6.43 and 6.56 of Article 6 of Appendix 30B

1 The Bureau recently received a submission from an administration under Appendix 30B which requested the implementation of non-simultaneous transmissions of two beams. Although this approach is used within the context of Appendices 30 and 30A, it has never been requested among new beams of new submissions under Appendix 30B. As the regulatory procedure of that Appendix does not prohibit the implementation of non-simultaneous transmissions, the Bureau decided to accept that request and to implement in Appendix 30B the grouping concept as defined in Articles 9 and 9A of Appendix 30A, Articles 10 and 11 of Appendix 30 and Rules of Procedure relating to § 4.1.1 a) and 4.1.1 b) of Appendices 30 and 30A.

2 The Bureau informed the RRB at its 26th meeting (11-15 March 2002) that it has proceeded with the introduction of the grouping concept, as defined in Appendices 30 and 30A and their associated Rules of Procedure, in Appendix 30B and that an appropriate new or modified Rule of Procedure covering the application of the grouping concept in Appendix 30B had been prepared and would be distributed to administrations for comment before being submitted for consideration by the RRB at its 27th meeting (3-7 June 2002).

3 In view of the above, the following draft new Rules of Procedure relating to §§ 6.12, 6.24, 6.43 and 6.56 of Article 6 of Appendix 30B are proposed in order to clarify the implementation of the grouping concept within the context of that Appendix.

6.12

ADD

6 The Board, in reviewing the implementation of the regulatory procedures of Appendix 30B, noted that there is no provision to prohibit the implementation of non-simultaneous transmissions within the context of that Appendix. The Board further noted that this approach is used within the context of Appendices 30 and 30A by means of the grouping concept as defined in Articles 9 and 9A of Appendix 30A, Articles 10 and 11 of Appendix 30 and Rules of Procedure relating to paragraphs 4.1.1 a) and 4.1.1 b) of Appendices 30 and 30A.

7 In view of the above, the Board decided that the same grouping concept can also be applied within the context of §§ 6.12, 6.24, 6.43 and 6.56. The Board's understanding of the grouping concept is that in the interference calculation to entries (allotments, existing systems or assignments) that are part of the group, only the interference contribution from entries that are not part of the same group are to be considered. On the other hand, for the interference calculation from entries belonging to a group into entries that are not part of the same group, only the worst interference contribution from that group is to be taken into consideration. Moreover, the Board did not find any regulatory basis to extend the use of groupings involving multiple orbital positions.

6.24

ADD

See items 6 and 7 in the comments made under the Rules of Procedure relating to § 6.12.

6.43

MOD

See also items [5, 6 and 7](#) in the comments made under the Rules of Procedure [relating to concerning](#) § 6.12.

6.56

MOD

See items [5, 6 and 7](#) in the comments made under the Rules of Procedure [relating to concerning](#) § 6.12.

ANNEX 7

Rule of Procedure on Appendix 4, Annex 2A, item C.10

An. 2A

C.10

1 In accordance with Appendix 4, Annex 2A, item C.10 (type and identity of the associated station(s)), any associated station may be another space station, a typical earth station of the network or a specific earth station.

2 The Board notes that a case has arisen involving a request under Article 11 for modification of frequency assignments to an inter-satellite link in the radionavigation satellite service (RNSS) already recorded in the MIFR, which seeks to add typical GSO or non-GSO associated space stations to receive RNSS frequency assignments. The main purpose in proposing typical associated space stations, geostationary and non-geostationary, under Appendix 4, item C.10 is to avoid the necessity for the notifying administration of the RNSS system to add, on a case-by-case basis, specific receiving space station information into its recorded assignments, including requests by other administrations wishing to use the space station RNSS signal.

3 In this regard, the Board notes that:

- a) RNSS inter-satellite links could be used by any space station without requiring the concurrence of the notifying administration;
- b) frequency assignments operating in such RNSS inter-satellite links are not subject to any coordination procedures under Article 9 or Resolutions of the Radio Regulations;
- c) if only "specific" space stations may be submitted for such RNSS inter-satellite use, then any other administrations wishing to use the RNSS signal from one specific system for its receiving space stations would have to request the notifying administration of the RNSS system to modify the recorded assignments of its system.

4 Recognizing the benefit of special arrangements to meet the above circumstances, the Board decided to instruct the Bureau to:

- a) accept the submission of "typical" space stations, either geostationary or non-geostationary, as associated stations under Appendix 4, Annex 2A, item C.10 information for RNSS space-to-space transmitting frequency assignments¹; in this case the APS4 information to be submitted would be the identity of the network (item C10 a1), the type of space station (geostationary or non-geostationary) (item C10 a3) and an indication of the "typical" nature of the space station;

¹ Frequency bands: 149.9-150.05 MHz, 399.9-400.05 MHz, 1 164-1 215 MHz, 1 215-1 300 MHz, 1 559-1 610 MHz, 5 010-5 030 MHz, 43.5-47 GHz, 66-71 GHz, 95-100 GHz, 123-130 GHz, 191.8-200 GHz and 252-265 GHz.

b) such acceptance will be subject to the concurrence of the notifying administration of the RNSS system to the reception by any other geostationary or non geostationary systems of the space-to-space RNSS emissions from that system.

5 The Board understands that the international recognition of receiving frequency assignments in the space-to space RNSS shall derive from the notification of the inter-satellite assignments between specific space stations, taking due account of any provisions associated to the space-to space RNSS allocations.

6 The Board considers the above as a temporary measure to be used on a provisional basis until further decisions by WRC-03.
