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(ITU) للاتصالات الدولي الاتحاد في والمحفوظات المكتبة قسم أجراه الضوئي بالمسح تصوير نتاج (PDF) الإلكترونية النسخة هذه والمحفوظات المكتبة قسم في المتوفرة الوثائق ضمن أصلية ورقية وثيقة من نقلًا.

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## UPDATES to the

### Rules of Procedure

(Edition of 1998)

**approved by the Radio Regulations Board**

Revision <sup>(1)</sup> (Circular No.)	Date	Part	ARS	Pages to be removed	Pages to be inserted
1 See CR/127 Corr.1	June 1999	A1 C	ARS5 —	15-18 1-3	15-18 (rev.1) 1-3 (rev.1)
2 See CR/129	October 1999	Table of Contents A1 A1 A1 A1 A1	ARS5 Receivability ARS9 ARS13 APS30B	1-2 7-20 3-4 5-6 13-14 — 7-8 11-12	1-2 (rev.2) 7-20 (rev.2) 3-4 (rev.2) 5-6 <i>bis</i> (rev.2) 13-14 (rev.2) 1 (rev.2) 7-8 <i>ter</i> (rev.2) 11-12 (rev.2)
3 See CR/140	March 2000	A1	ARS11	11-12	11-12 (rev.3)
4 See CR/151	October 2000	A1 A1 A3	ARS5 APS30B GE75	17-18 13-14 1-3	17-18 (rev.4) 13-14 <i>bis</i> (rev.4) 1-2 (rev.4)
4 See CR/151*	October 2000	A1	ARS5	17-18	17-18 (rev.4)
5 See CR/156	December 2000	A1 A1 A1 A1	ARS4 ARS9 APS30 APS30A	1-2 1-4 1-2 1-2	1-2 (rev.5) 1-4 (rev.5) 1-2 <i>bis</i> (rev.5) 1-4 (rev.5)

(1) Refer to the relevant Circular Letter noted in column 1 regarding dates of application of new or modified Rules of Procedure included in these update pages.

\* Error in the heading of rev.4.

service which are also used for fixed satellite service purposes will be treated in accordance with Article 5 of Appendix S30. When recorded they will bear a symbol to indicate such a use. No established methodology exists to-date to carry out the compatibility analysis between the assignments that may be used in broadcasting-satellite transponders for fixed satellite service transmissions and the assignments in the Plan.

2 Earth stations receiving fixed-satellite service transmissions from the Broadcasting Satellite transponders will be treated as earth stations of the broadcasting-satellite service and are not to be notified as individual earth stations.

#### **S5.496**

1 The fixed and mobile (except aeronautical mobile) services in the countries listed in this provision:

- have equal rights with the fixed-satellite service in the countries of the footnote and in the relations between them, and the coordination under No. S9.17 and No. S9.18 shall be applied;
- shall be operated under No. S5.43 with respect to the fixed-satellite service in the other countries of Region 1, and coordination under No. S9.17 cannot be imposed on earth stations. The fixed and mobile stations shall apply coordination under No. S9.18;
- have equal rights with the services to which the band is allocated in Regions 2 and 3.

2 The comments made under the Rules of Procedure concerning No. S5.164 apply.

#### **S5.523A**

Footnote S5.523A obliges administrations which have communicated their GSO satellite systems in the bands 18.8-19.3 GHz and 28.6-29.1 GHz to the Bureau, prior to 18 November 1995, to “*cooperate to the maximum extent possible* to coordinate pursuant to No. S9.11A/ Resolution 46 (Rev.WRC-97) with non-geostationary-satellite networks for which

notification information has been received by the Bureau prior to that date, with a view to reaching results acceptable to all the parties concerned.” Since there is no basis on which the Bureau could formulate a regulatory finding in this respect, the Board decided on the following course of action:

Administration(s) responsible for the GSO satellite network, when notifying the assignments to the Bureau, shall include a statement indicating that the obligation “shall cooperate to the maximum extent possible” referred to in this provision has been fulfilled and the Bureau shall publish this information in its Weekly Circular accordingly.

The above Rule of Procedure was to be applied by administrations and the Radiocommunication Bureau as of 14 July 1998.

**S5.538**

For up-link power control beacons, this provision sets an e.i.r.p. limit “in the direction of adjacent satellites on the GSO”. The Board concluded that this direction is “tangential to the GSO at the position of the network under examination”.

The Board is of the opinion that the intention of this provision is to protect parts of the GSO arc adjacent to the satellite under examination in the direction “laterally tangential to the GSO at the position of the network under examination.”

**S5.543**

The Board concluded that this provision is an additional allocation to the earth exploration-satellite service for inter-satellite links. The use of the words “telemetry, tracking, and control purposes” leads the Board to understand that the use is limited to space operation.

**S5.551B,  
S5.551E**

1 Footnote **S5.551B** states that “The use of the band 41.5-42.5 GHz by the fixed-satellite service (space-to-Earth) is subject to Resolution **128 (WRC-97)**”. Resolution **128 (WRC-97)** indicates in its *resolves* “that administrations shall not implement fixed-satellite systems in the band 41.5-42.5 GHz until technical and operational measures have been identified and agreed within ITU-R to protect the radio astronomy service from harmful interference in the band 42.5-43.5 GHz.

## **Rules concerning**

### **ARTICLE S4 of the RR**

#### **S4.4**

#### **1 Use of a frequency under number S4.4**

1.1 This provision allows an administration to use any part of the spectrum in derogation of the Radio Regulations provided that the station using that spectrum part shall not cause harmful interference to, or shall not claim protection from harmful interference caused by, stations of other services operating in accordance with the provisions of the Constitution, Convention and Radio Regulations.

1.2 It can be seen from Nos. **S8.5** and **S11.36** that the recording of an assignment with a reference to No. **S4.4** includes the commitment by the notifying administration to eliminate any harmful interference which is actually caused to other uses operated in accordance with the Radio Regulations as soon as it is reported. This limitation on the use of an assignment notified with a reference to No. **S4.4** is valid only when both categories of assignments detailed in No. **S8.5** are in use.

1.3 Similarly and taking account of No. **S4.4** as well as of Nos. **S5.43** and **S5.43A**, receiving frequencies not in conformity with the Radio Regulations are recorded with a symbol which includes the indication that the notifying administration cannot claim protection from any harmful interference that may be caused by frequency assignments operated in accordance with the Radio Regulations (see Preface to the IFL, Column 13B1, symbol **S4.4, S8.5**).

#### **2 Emissions in bands where uses other than those authorized are prohibited**

2.1 The provisions listed below relating either to frequencies or bands to be used for safety and distress communications or allocated for passive usage prohibit any other use:

*a) Provisions relating to safety and distress communications:*

*aa) Appendix S13 (Part A2) (Non-GMDSS): § 13, 15 1), 16 1), 17A, 18 1);*

*ab) Appendix S15 (GMDSS), Tables S15-1 and S15-2 (frequencies marked with an asterisk (\*) to indicate that any emission causing harmful interference to distress and safety communications is prohibited.*

*b) Provisions relating to passive usage:*

Nos. **S5.267** and **S5.340**.

2.2 The Board considers that, in view of this prohibition, a notification concerning any other use than those authorized in the band or on the frequencies concerned cannot be accepted even with a reference to No. **S4.4**; furthermore the administration submitting such a notice is urged to abstain from such usage.

<b>S4.5</b>
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1 The application of this provision involves the case of an adjacent band not allocated to the service concerned as well as the case of an adjacent band allocated to the service concerned with a different category of allocation.

1.1 A frequency assignment, of which the assigned frequency band overlaps a band not allocated to the service concerned, shall receive an unfavourable regulatory finding under No. **S11.31**.

1.2 A frequency assignment, of which the assigned frequency band overlaps a band allocated with a lower category of service will be considered as having the lower category of service and, when recorded, will bear a symbol to this effect. (See symbols R and S in Table 13B – Column 13B2 of the Preface to the IFL.)

2 To resolve cases of harmful interference between services in adjacent bands it was decided that, irrespective of the phenomena at the origin of the interference (out-of-band emission, intermodulation products, etc.), the administration responsible for the emission overlapping a non-allocated band shall use appropriate means to eliminate the interference.

<b>S4.8</b>
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The first sentence of this provision establishes the equality of right between allocations in different Regions or sub-Regions. In the Board's view the second sentence should be understood as a general rule applicable in all cases, even to stations of the same service; and it should not be interpreted in the meaning of No. **S5.43** or **S5.43A**.

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## **Rules concerning**

### **ARTICLE S9 of the RR**

#### **Advance publication (Article S9, Section I)**

##### **S9.1**

#### **1 Postponement of the date of bringing into use**

1.1 The Board understands from the reference to Nos. **S11.44** and **S11.44B** to **S11.44I** in No. **S9.1** in conjunction with in No. **S11.48** that, for a space station of a satellite network not yet brought into use, the maximum overall period of validity of an advance publication can be five years under No. **S9.1** plus a maximum of two years extension if granted. Consequently, any postponement of the date of bringing into use (beyond the original five years), at any stage of the procedure, is acceptable only if the date of bringing into use (2C date) remains within five years plus any agreed extension of up to two years following the date of receipt by the Bureau of the relevant advance information referred to in Nos. **S9.1** and **S9.2**. The granting of the extensions within this overall seven year period is, however, subject to several other conditions which are described in the appropriate parts of the Rules of Procedure. (See comments under the Rules of Procedure concerning Nos. **S9.5D**, **S11.44** and Resolution **51 (WRC-97)**).

1.2 The last paragraph of this provision relates to the establishment of the date of receipt for coordination and/or notification, as the case may be. The Conference decided to treat the cases of satellite networks for which the coordination procedure of Section II of Article **S.9** is applicable differently from those satellite networks for which the above-mentioned coordination is not applicable. For the former the earliest possible date of receipt of a coordination request is six months after the date of receipt of the information for advance publication and for the latter, the information date of receipt of a notification is six months after the date of publication of the advance information.

The Bureau shall periodically provide the information concerning the date of receipt of the advance publication information for both types of the space network in order to apply this provision as well as Nos. **S11.44** and **S11.48**.

#### **2 Cancellation of advance publication**

On the basis of the above (in particular Nos. **S11.44** and **S11.48**) and irrespective of the regulatory status of the network (under advance publication, coordination or already recorded in the Master Register), the Bureau will, after having informed the administration concerned, cancel from the Master Register or its advance publication or coordination files those networks which are not notified as being brought into use within the above mentioned period.

Administrations intending to bring these networks into use at a later date will have to re-start the procedures from the advance publication stage. In accordance to No. **S11.48**, the Bureau shall inform the administration responsible for the space station not later than 3 months before the expiry date of the five-year period, and 3 months before the expiry date of seven-year period, if extension is granted. (See comments under the Rules of Procedure concerning Nos. **S9.5D**, **S11.44** and Resolution **51 (WRC-97)**).

3 The seven-year period (five years plus up to maximum two years of extension, if granted) mentioned under § 1 above is not taken into account in case for the addition, at any time, of an earth station, even if it was not foreseen in the advance publication.

## **S9.2**

1 Number **S9.2**, as modified by WRC-2000, indicates that “the use of an additional frequency band or modification of the orbital location by more than  $\pm 12^\circ$  for a space station using the geostationary-satellite orbit will require the application of the advance publication procedure for this band or orbital location, as appropriate”. As regards a change of orbital location, the Board understands that this provision applies to changes communicated to the Bureau after 3 June 2000 (see Resolution **56(WRC-2000)**).

2 Consequently, for such cases where a new advance publication is required, the date of receipt of the new information for advance publication will be the start for the period of validity (five years plus any granted extension) for the new frequency band or, in case of a change of orbital location, for the GSO network as referred to in relevant provisions of Articles **S9** and **S11**.

3 For a GSO satellite network that has started the coordination procedure of Section II of Article **S9** before 3 June 2000, or has been notified under Article **S11** before that date, the reference orbital location will be the latest orbital location communicated to the Bureau before 3 June 2000 for coordination or notification, according to the case.

4 The question may arise, however, as to whether a change of orbital location of a geostationary satellite network up to  $\pm 12^\circ$  is cumulative during the entire regulatory processing (i.e., Advance Publication (Article **S9**, Section I), Coordination (Article **S9**, Section II), and Notification (Article **S11**)) of a network. The Board considers that the cumulative modification of the orbital location of a geostationary satellite network during the entire regulatory processing of a network up to  $\pm 12^\circ$  from the nominal position indicated in the first advance publication of the network, or in the coordination request under paragraph 3 above, as appropriate, does not require a new advance publication.

5 For modifications other than those mentioned in paragraph 1 above, an administration is not required to re-start the advance publication procedure for a modification of a frequency assignment which is either recorded in the Master Register, has been coordinated or is being coordinated under Section II of Article **S9**. Such cases are treated in accordance with relevant provisions of Section II of Article **S9** or those of Article **S11**, without a change of the original date of receipt or date of publication of the advance publication information.



### **S9.3**

See comments relating to the exclusion of the territory made under the Rules of Procedure concerning No. **S9.50**.

### **S9.5**

This provision concerns the publication of administrations' comments after the publication by the Bureau of advance publication information of a satellite network or a satellite system that are not subject to the coordination procedures of Section II of Article **S9**. The Bureau, using the information received from administrations, will publish a summary of the comments received under No. **S9.3** together with the report submitted by the administration responsible for the network under No. **S9.4**, if any, in a manner that correctly reflects the situation.

When the administration responsible for the network or any other administration having submitted comments finds the published summary unsatisfactory, the Bureau will publish that administration's comments in extenso.

### **S9.5B**

See comments relating to the exclusion of the territory made under Rules of Procedure concerning No. **S9.50**.

### **S9.5D**

1 Under the provisions of No. **S9.5D**, Appendix **S4** Forms of Notice containing the coordination request of the satellite network as referred to in Nos. **S9.30** and **S9.32**, where applicable, must be received by the Bureau within a period of 24 months after the date of receipt of the advance publication information on a satellite network that is subject to the coordination procedure under Section II of Article **S9**. The Bureau shall send to the responsible administration a reminder of the requirements of this provision and request for clarification on the status of the satellite network at least 3 months before the expiry of the 24-month period. If forms of Notice (Appendix **S4**) containing the coordination request data have not been submitted to the Bureau within the 24-month period, the Bureau shall cancel the advance information from its databases. For the coordination submission, the general Rules of Procedure on receivability apply.

Coordination requests received after the above mentioned 24 months shall be considered as advance publication information and coordination data sent at the same time as foreseen by No. **S9.1**. The advance publication procedure will have to restart with a new date of receipt and the coordination procedure will be effective not earlier than six months after the date of receipt of the submission.

2 Provision **S9.23** stipulates that requests shall be appropriately identified by reference to Nos. **S9.7** to **S9.14** and **S9.21**, and they shall as far as possible be sent to the Bureau and where appropriate, shall be published simultaneously. The Board therefore decided that advance publication information should not be canceled if the relevant request for coordination relating to at least one form of coordination is received by the Bureau within a period of 24 months after the date of receipt of the relevant information for Advance Publication.

3 When the information under Nos. **S9.30** and **S9.32**, as the case may be, relating to only one form of coordination (e.g. No. **S9.7**) has been received by the Bureau within the above mentioned time limit, in the case where there is a need to effect more than one form of coordination in accordance with Nos. **S9.30** and **S9.32**, as the case may be, it is in the interest of administrations that the Bureau establishes those other forms of coordination requirement immediately, rather than to proceed with them after receiving the request at a later date. Moreover, it will be more efficient, expeditious and easy to proceed with the publication required under Nos. **S9.34/S9.38** at one time (same date of receipt) on the same information.

In view of the above the Board decided to take the following practical approach. The Bureau, as far as possible, identifies any administrations with which coordination may need to be effected under Nos. **S9.7** to **S9.14** and **S9.21** where applicable and includes their names in the publication even if the requests for specific coordination form is not received by the Bureau at that time. If no comment is received from the administration responsible within the four months from the date of publication, it shall be considered that this publication is implemented according to the request of the administration and the corresponding coordination requirement has been established.

## **Coordination of frequency assignments (Article S9, Section II)**

### **S9.6**

1 Based on an analysis of Articles **S9** and **S11** and Appendix **S5**, the Board agreed that as far as coordination requests, submitted to the Bureau under Nos. **S9.30** or **S9.32** (space network coordination cases), are concerned:

- a) publication, under No. **S9.38**, of requests for coordination shall be made in the order of their date of receipt (See also the general Rules of Procedure on receivability);
- b) the intent of Nos. **S9.6** (**S9.7** to **S9.21**), **S9.27** and Appendix **S5** is to identify to which administrations a request for coordination is to be addressed, and not to state an order of priorities for rights to a particular orbital position;
- c) the coordination process is a two way process. This understanding was included in the Radio Regulations by WARC Orb-88 with the adoption of the former provision RR1085A which was confirmed by WRC-97 in No. **S9.53**;

*d)* in the application of Article **S9** of the Radio Regulations no administration obtains any particular priority as a result of being the first to start either the advance publication phase (Section I of Article **S9**) or the request for coordination procedure (Section II of Article **S9**).

2 Cases of continuing disagreement or unsuccessful coordination (See No. **S9.65**) are dealt with in Article **S11** where the goal of the procedures, i.e. the international recognition of frequencies, is secured through the recording of frequency assignments in the MIFR (see also Nos. **S11.32A**, **S11.33**, **S11.41** and **S11.41A**).

<b>S9.11A</b>
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1 With the provisional date of entry into force of the “Simplified Radio Regulations” on 1 January 1999, the provisions of No. **S9.11A**, relating to Nos. **S9.12** to **S9.16** and **S9.17A** as appropriate together with associated part of Appendix **S5** as well as the relevant provisions of Article **S11** replace Resolution 46 (Rev.WRC-97).

## **Rules concerning**

### **APPENDIX S30 to the RR**

(Rules are arranged by paragraph numbers of Appendix S30)

**In application of the following Rules whenever reference is made to the Region 1 and 3 Plan, it means the Plan revised at WRC-97 for Region 1 and 3 WRC-97 Plan**

#### **Art. 2**

### **Frequency bands**

#### **2.2**

1 The Board, in reviewing paragraph 2.2 of Article 2 of Appendices **S30/S30A (WRC-2000)**, decided to instruct the Bureau to proceed as follows:

2 Space operations functions in the guardbands of Appendices **S30/S30A** will be processed within the regulatory framework of Appendices **S30/S30A (WRC-2000)** without a need to publish an advance publication information, i.e. administration would initiate the coordination procedure under No. **S9.7** by submitting the coordination data. The regulatory time limit for bringing into use any assignments in the guardbands will be same as that for planned BSS/Feeder link assignments i.e. 8 years from the date on which the complete information is received by the Bureau for modification and/or inclusion of new assignments in the List for Regions 1 and 3 (paragraph 4.1.3) and/or modification to the Region 2 Plan (paragraph 4.2.6) of Article 4 of both Appendices **S30** and **S30A (WRC-2000)**.

3 For the use of the guardbands of the Appendices **S30/S30A** for space operations functions for the initial Plan, the 8 year regulatory time limit will apply and will be counted from the date on which the complete Appendice **S4** data is received by the Bureau for these guardbands.

4 This implies that the coordination and notification procedure for the use of the guard bands should be applied at the same time as the respective coordination and notification of the associated main BSS networks.

**Art. 3****Execution of the provisions and associated Plans****3.1**

For the footnote of § 3.1 see comments made under the Rules of Procedure concerning No. S5.492.

**Art. 4****Procedure for modification to the Plans****4.1 a)**

This paragraph refers to the modification in the sense of a change to “the characteristics of any of its frequency assignments to a space station in the broadcasting-satellite service which are shown in the appropriate Regional Plan”. The Plans as they appear in Articles 10 and 11 of Appendix S30 contain only eight and sixteen characteristics respectively, while Annex 2 contains a greater number of characteristics which were used by each of the conferences concerned to establish the Plan. Among these characteristics only one, the energy dispersal (Annex 2, § 14 *h*)), is referred to in the footnote of § 4.1. The Board considers that modifications of characteristics other than those listed in Articles 10 and 11 of Appendix S30 may be considered as modifications to the Plans. These other characteristics are listed in the comments under § 5.2.1 *b*) of Article 5 of Appendix S30.

In reviewing § 4.1 *a*) and 4.1 *b*) of Article 4 of Appendix S30, the Board concluded that, the Bureau, in applying relevant sections of Annex 1 shall, where applicable, compare the power flux density and  $\Delta T/T$  values, as the case may be, resulting from modification to the Plan with those values in the Plan. If it is not possible to do so, the Bureau should use the absolute limit expressed in relevant sections of Annex 1 to that Appendix.

See also Rules of Procedure under § 4.3.5.

**4.1 b)**

See Rules of Procedure relating to § 4.1 *a*) above.

See also Rules of Procedure under § 4.3.5.

**4.1 c)**

When an administration cancels an assignment from the Regional Plan under this paragraph, or when the Bureau, in applying § 4.3.5 deletes an assignment from the Plan, the Reference Situation of the Plan assignments and those in the process of modification would be updated. The Bureau need not to recalculate the affected administration(s) as result of the above-mentioned cancellation.

#### 4.3.1.1

1 In determining those administrations of Regions 1 and 3 that may be affected, the proposed modification is examined with respect to the Regions 1 and 3 Plan as it exists at the date of receipt of the request for modification including the proposed modifications received before that date (whether the procedure of Article 4 is complete or not). The examination consists of ensuring that the limits of Annex 1 of Appendix **S30** are not exceeded. Account is also taken of any time-limited modifications to the Plans in accordance with § 4.3.15.

2 Following the introduction by 1983 Conference of the grouping concept for Region 2 (Articles 9 and 10 of Appendices **S30A** and **S30** respectively) and further to the decision of WARC Orb-88 to apply the grouping concept to the Regions 1 and 3 Feeder link Plan (Article 9A of Appendix **S30A**), the IFRB decided to extend this concept to the 1977 Conference BSS Plan. On the other hand, the cluster concept was introduced by 1983 Conference for Region 2 for BSS and associated feeder-links (§ B of Annex 7 of Appendix **S30**, § 4.13 of Annex 3 of Appendix **S30A**) and for Regions 1 and 3 by WARC Orb-88 for feeder-links (§ 3.15 of Annex 3 of Appendix **S30A**). The IFRB decided that Regions 1 and 3 could also apply this concept for the BSS Plan provided that the required agreement is obtained from administrations in the cluster.

3 The Board's understanding of the group concept is that in the interference calculation to assignments that are part of the group, only the interference contribution from assignments that are not part of the same group are to be considered. On the other hand, for the interference calculation from assignments belonging to a group into assignments that are not part of the same group, only the worst interference contribution from that group is to be taken into consideration.

For the Regions 1 and 3 Plans, the Board did not find any regulatory basis to extend the use of multiple orbital positions for networks involving grouping beyond those cases which were accepted by WRC-97 and included in the revised Regions 1 and 3 Plans.

## **Rules concerning**

### **APPENDIX S30A to the RR**

(Rules are arranged by paragraph numbers of Appendix S30A)

#### **Art. 2**

### **Frequency bands**

#### **2.2**

1 The Board, in reviewing paragraph 2.2 of Article 2 of Appendices **S30/S30A (WRC-2000)**, decided to instruct the Bureau to proceed as follows:

2 Space operations functions in the guardbands of Appendices **S30/S30A** will be processed within the regulatory framework of Appendices **S30/S30A (WRC-2000)** without a need to publish an advance publication information, i.e. administration would initiate the coordination procedure under No. **S9.7** by submitting the coordination data. The regulatory time limit for bringing into use any assignments in the guardbands will be same as that for planned BSS/Feeder link assignments i.e. 8 years from the date on which the complete information is received by the Bureau for modification and/or inclusion of new assignments in the List for Regions 1 and 3 (paragraph 4.1.3) and/or modification to the Region 2 Plan (paragraph 4.2.6) of Article 4 of both Appendices **S30** and **S30A (WRC-2000)**.

3 For the use of the guardbands of the Appendices **S30/S30A** for space operations functions for the initial Plan, the 8 year regulatory time limit will apply and will be counted from the date on which the complete Appendice **S4** data is received by the Bureau for these guardbands.

4 This implies that the coordination and notification procedure for the use of the guard bands should be applied at the same time as the respective coordination and notification of the associated main BSS networks.

#### **Art. 4**

### **Procedure for modification to the Plans**

#### **4.1 a)**

This paragraph refers to the modification in the sense of a change to “the characteristics of any of its frequency assignments in the fixed-satellite service which are shown in the appropriate Regional Plan”. The Plans as they appear in Articles 9 and 9A contain only eight and eighteen characteristics, respectively, while Annex 2 contains a greater number of

characteristics which were used by each of the conferences concerned to establish the Plan. The Board considers that modifications of characteristics other than those listed in Articles 9 and 9A may be considered as modifications to the Plans. These other characteristics are listed in the comments under § 5.2.1 b) of Article 5.

In reviewing § 4.1 a) and 4.1 b) of Article 4 of Appendix S30, the Board concluded that, the Bureau, in applying relevant sections of Annex 1 shall, where applicable, compare the power flux density and  $\Delta T/T$  values, as the case may be, resulting from modification to the Plan with those values in the Plan. If it is not possible to do so the Bureau should use the absolute limit expressed in relevant sections of Annex 1 to Appendix S30.

See also Rules of Procedure under § 4.2.5.

#### 4.1 b)

See Rules of Procedure relating to § 4.1 a) above.

See also Rules of Procedure under § 4.2.5.

#### 4.1 c)

When an administration cancels an assignment from the Regional Plan under this paragraph, or when the Bureau, in applying § 4.2.5 deletes an assignment from the Plan, the Reference Situation of the Plan assignments and those in the process of modification would be updated. The Bureau need not to recalculate the affected administration(s) as result of the above-mentioned cancellation.

#### 4.2.1.1

1 In determining those administrations of Regions 1 and 3 that may be affected, the proposed modification is examined with respect to the Regions 1 and 3 Plan as it exists at the date of receipt of the request for modification including the proposed modifications received before that date (whether the procedure of Article 4 is complete or not). The examination consists of ensuring that the limits of Annex 1 (§ 4) of Appendix S30A are not exceeded. Account is also taken of any time-limited modifications to the Plans in accordance with § 4.2.16.

2 Following the introduction by 1983 Conference of the grouping concept for Region 2 (Articles 9 and 10 of Appendices S30A and S30 respectively) and further to the decision of WARC Orb-88 to apply the grouping concept to the Regions 1 and 3 feeder link Plan (Article 9A of Appendix S30A), the IFRB decided to extend this concept to the 1977 Conference BSS Plan. On the other hand, the cluster concept was introduced by 1983 Conference for Region 2 for BSS and associated feeder-links (§ B of Annex 7 of Appendix S30, § 4.13 of Annex 3 of Appendix S30A) and for Regions 1 and 3 by WARC Orb-88 for feeder-links (§ 3.15 of Annex 3 of Appendix S30A). The IFRB decided that Regions 1 and 3 could also apply this concept for the BSS Plan provided that the required agreement is obtained from administrations in the cluster.



3           The Board's understanding of the group concept is that in the interference calculation to assignments that are part of the group, only the interference contribution from assignments that are not part of the same group are to be considered. On the other hand, for the interference calculation from assignments belonging to a group into assignments that are not part of the same group, only the worst interference contribution from that group is to be taken into consideration.

For the Regions 1 and 3 Plans, the Board did not find any regulatory basis to extend the use of multiple orbital positions for networks involving grouping beyond those cases which were accepted by WRC-97 and included in the revised Regions 1 and 3 Plans.<sup>1</sup>

For the Region 2 Plan, the Board did not find any regulatory basis to extend the use of groupings involving multiple orbital positions (except for the case of 0.4° orbital separation which was allowed for clusters within the Region 2 Plan and its subsequent modifications).

#### **4.2.1.2**

In determining those administrations affected in accordance with this paragraph, the limits of Annex 1 (§ 1) and Annex 4 (§ 3) will be used for those specific earth stations in the fixed-satellite service (space-to-Earth) which are either recorded in the MIFR or notified at the time of examination under Nos. **S11.2** to **S11.9**.

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<sup>1</sup>       The Radiosat-6 and -7 feeder link networks were accepted by the WRC-97 for subsequent inclusion in the Regions 1 and 3 feederlink Plan by the Bureau.

#### 4.2.1.3

In determining those administrations affected in accordance with this paragraph, the limits of Annex 1 (§ 2) shall be applied. Paragraphs 4.2.1.2 and 4.2.1.3 refer to “the coordination area of the feeder link fixed-satellite earth station”, implying that any modification to the Plan should be limited to feeder links with fixed earth stations. The Board noted that few entries in the Plan contain fixed feeder-link earth stations. It may be concluded from this situation that nothing prevents an administration from applying the Article 4 procedure to a typical feeder link earth station the coordination area of which should be calculated as indicated in § 7 of Appendix S7.

#### 4.2.1.4

In determining those administrations of Region 2 that may be affected, the proposed modification of the Regions 1 and 3 Plan is examined with respect to the Region 2 Plan as it exists at the date of receipt of the proposal for modification including the proposed modifications received before that date (whether the procedure of Article 4 is complete or not). The examination will consider only those administrations having assignments whose necessary bandwidth overlaps the necessary bandwidth of the proposed modification. The Region 2 administration is identified as having services which are considered to be affected when the limits specified in § 5 of Annex 1 to Appendix S30A are exceeded.

#### 4.2.2

This paragraph refers to, inter alia, transportable feeder-link earth station in the bands 14.5-14.8 GHz and 17.3-18.1 GHz. The Board noted that, a transportable earth station is an earth station which does not include the following characteristics: geographical coordinates, some of its antenna characteristics (i.e. items *g*), *h*) and *i*) of § 2.6 of Annex 2 to Appendix S30A). Having defined the characteristics of the earth stations, the Board had to identify the procedures to be applied to them, and reached the following conclusions.

a) From the viewpoint of the application of Article 4:

An administration may bring into use any fixed or transportable earth station in the bands 14.5-14.8 GHz and 17.3-18.1 GHz with the characteristics listed in Annex 3 of Appendix S30A without applying the procedure of Article 4.

b) From the viewpoint of Article 5:

A transportable earth station is not defined in any part of the Radio Regulations. The Board understands that the purpose of a transportable earth station is to permit an administration to install it at any point of the service area without a need to notify geographical coordinates.

With this understanding the Board is of the view that what is referred to in Appendix **S30A** as a “transportable earth station” is a “typical earth station”, and decided that the Bureau shall treat it as a typical earth station being associated with the notified test points identifying the service area. See also § 4.2.1.3 above.

#### 4.2.3.1

1 In determining those administrations of Region 2 that may be affected, the proposed modification is examined with respect to the Region 2 Plan as it exists at the date of receipt of the request for modification including the proposed modifications received before that date (whether the procedure of Article 4 is complete or not). The examination consists of ensuring that the limits of Annex 1 (§ 3) of Appendix **S30A** are not exceeded. Account is also taken of any time-limited modifications to the Plans in accordance with § 4.2.16.

2 According to Resolution **42 (Rev.Orb-88)**, the Board decided that, when applying this paragraph, the Bureau shall not take account of the interim systems.

3 For considerations related to application of the Group concept see Rules of Procedure related to § 4.2.1.1.

#### 4.2.3.2

See comments made under § 4.2.1.2 above.

#### 4.2.3.3

See comments made under § 4.2.1.3 above.

#### 4.2.3.4

In determining the administrations of Regions 1 and 3 that might be affected, the proposed modification of the Region 2 Plan is examined with respect to the Regions 1 and 3 Plan as it exists at the date of receipt of the modification including all proposed modifications received before that date (whether the procedure of Article 4 is complete or not). The examination will identify only those administrations having assignments whose necessary bandwidth overlaps the necessary bandwidth of the proposed modification. An administration is identified as having services which may be affected when the limits specified in § 5 of Annex 1 to Appendix **S30A** are exceeded.

#### 4.2.5

1 Appendix **S30A** contains assignment Plans with beams covering only a territory or a part of a territory, which leads one to conclude that the usual wording used in similar paragraphs “or an administration on behalf of a group of administrations” is not necessary. However, it is to be noted that some beams have been included in both Plans for some groups of administrations. Consequently the Board decided that the Bureau shall accept the application of the procedure of Article 4 for a modification of either of the two Plans by an administration on behalf of other administrations.