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| **Radio Regulations Board**  **Geneva, 14–18 March 2022** | C:\Users\murphy\AppData\Local\Temp\Temp1_ITU logo Entire package.zip\jpg\ITU official logo_blue_RGB.jpg |
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|  | **Document RRB22-1/18-E** |
| **18 March 2022** |
| **English** |
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| summary of decisions of the 89th meeting of the radio regulations board | |
| 14–18 March 2022 | |

Present: Members, RRB

Mr T. ALAMRI, Chairman

Mr E. AZZOUZ, Vice-Chairman

Ms C. BEAUMIER, Mr L. F. BORJÓN FIGUEROA, Ms S. HASANOVA, Mr A. HASHIMOTO, Mr Y. HENRI, Mr D. Q. HOAN, Ms L. JEANTY, Mr S. M. MCHUNU, Mr H. TALIB, Mr N. VARLAMOV

Executive Secretary, RRB  
Mr M. MANIEWICZ, Director, BR

Précis-Writers   
Ms C. RAMAGE and Ms S. MUTTI



# Also present: Ms J. WILSON, Deputy Director, BR and Chief IAP

Mr A. VALLET, Chief, SSD

Mr C.C. LOO, Head, SSD/SPR

Mr M. SAKAMOTO, Head, SSD/SSC

Mr J. WANG, Head, SSD/SNP

Mr N. VASSILIEV, Chief, TSD

Mr K. BOGENS, Head, TSD/FMD

Mr B. BA, Head, TSD/TPR

Ms I. GHAZI, Head, TSD/BCD

Mr D. BOTHA, SGD

Ms K. GOZAL, Administrative Secretary

| Item No. | Subject | Action/decision and reasons | Follow-up |
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| 1 | Opening of the meeting | The Chairman, Mr T. ALAMRI, welcomed the members of the Board to the 89th meeting and noted with satisfaction that it was the first meeting of the Board since October 2019 with all of the Board members present in person.  The Director of the Radiocommunication Bureau, Mr M. MANIEWICZ, on behalf of the Secretary-General, Mr H. ZHAO, also welcomed the members of the Board, indicating that in-person ITU meetings had restarted with the successful completion of the recent World Telecommunication Standardization Assembly, which had been convened as an in-person meeting with remote participation. The Director furthermore wished the Board a successful meeting. | - |
| 2 | Adoption of the agenda [RRB22-1/OJ/1(Rev.1)](https://www.itu.int/md/R22-RRB22.1-OJ-0001/en); [RRB22-1/DELAYED/2](https://www.itu.int/md/R22-RRB22.1-SP-0002/en); [RRB22-1/DELAYED/2](https://www.itu.int/md/R22-RRB22.1-SP-0002/en)(Corr.1) | The Board adopted the draft agenda with modifications as provided in Document RRB22-1/OJ/1(Rev.1). The Board decided to include Documents RRB22-1/DELAYED/6 under agenda item 7.2, RRB22-1/DELAYED/5 under agenda item 7.4, RRB22-1/DELAYED/3 under agenda item 8.1, RRB22-1/DELAYED/4 and RRB22-1/DELAYED/7 under agenda item 8.2, and RRB22-1/DELAYED/1 under agenda item 11 for information. In compliance with RR No. **13.12A**, the Board furthermore decided not to consider Documents RRB22-1/DELAYED/2 and RRB22-1/DELAYED/2(Corr.1). The Board further noted that the Administration of the United Arab Emirates had submitted its comments to the draft rules of procedure as published in CCRR/68 and that those comments were contained in Document RRB22-1/3. | - |
| 3 | Report by the Director, BR [RRB22-1/4](https://www.itu.int/md/R22-RRB22.1-C-0004/en); [RRB22-1/4(Add.1)](https://www.itu.int/md/R22-RRB22.1-C-0004/en);  [RRB22-1/4(Add.2)](https://www.itu.int/md/R22-RRB22.1-C-0004/en); [RRB22-1/4(Add.3)](https://www.itu.int/md/R22-RRB22.1-C-0004/en);  [RRB22-1/4(Add.4)](https://www.itu.int/md/R22-RRB22.1-C-0004/en); [RRB22-1/4(Add.5)](https://www.itu.int/md/R22-RRB22.1-C-0004/en);  [RRB22-1/4(Add.6)](https://www.itu.int/md/R22-RRB22.1-C-0004/en); [RRB22-1/4(Add.7)](https://www.itu.int/md/R22-RRB22.1-C-0004/en);  [RRB22-1/4(Add.10)](https://www.itu.int/md/R22-RRB22.1-C-0004/en) | The Board considered in detail the Report of the Director, as contained in Document RRB22-1/4 and its addenda, and thanked the Bureau for the information provided. | - |
| a) The Board noted § 1 and Annex 1 to Document RRB22-1/4, concerning actions arising from the decisions of the 88th Board meeting. | - |
| b) The Board noted § 2 of Document RRB22-1/4, concerning the processing of filings for terrestrial and space systems. The Board further noted with concern the moratorium on the recruitment process for vacant positions in the Bureau due to budgetary restrictions and the potential resulting impact on the processing of satellite submissions. It also noted that the matter would be further considered by the Council. | - |
| c) The Board noted §§ 3.1 and 3.2 of Document RRB22-1/4, concerning late payments and Council activities, respectively, relating to the implementation of cost recovery for satellite network filings. | - |
| d) The Board noted § 4.1 of Document RRB22-1/4, on the statistics on harmful interference and infringements of the Radio Regulations. | - |
| e) The Board considered in detail § 4.2 of Document RRB22-1/4 and its Addenda 1, 2 and 4, on harmful interference to broadcasting stations in the VHF/UHF bands between Italy and its neighbouring countries. The Board thanked the Bureau for the information provided and for assisting administrations in their efforts to resolve the cases of harmful interference. Based on the reports from the neighbouring countries, the Board continued to be very concerned about the absence of progress in resolving the cases of harmful interference. Consequently, the Board once again urged the Administration of Italy to:   * take all possible measures to eliminate harmful interference to the FM sound, DAB and television broadcasting stations of its neighbouring countries;  * concentrate on the priority list of FM sound broadcasting stations in order to resolve those instances of harmful interference on a case-by-case basis.   The Board, having noted with concern the recent objections of Italy to the notification of assignments of the Administration of Slovenia, decided again to draw the attention of the Administration of Italy to the fact that for an administration to enjoy the rights associated with the GE84 Terrestrial Broadcasting Agreement, the Administration of Italy needed to comply with the obligations of the agreement, as had been indicated in the analysis relating to the application of the GE84 Regional Agreement (see [Addendum 3 to Document RRB17-3/2](https://www.itu.int/dms_ties/itu-r/md/17/rrb17.3/c/R17-RRB17.3-C-0002!A3!MSW-E.docx)), by ceasing harmful interference on the channels used by neighbouring administrations in conformity with the GE84 Regional Agreement.  The Board instructed the Bureau to:   * continue assisting the administrations concerned; * undertake preparations for the coordination meeting in May 2022; * continue reporting on any progress on the matter and on the outcome of the planned multilateral coordination meeting. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to:   * continue assisting the administrations concerned; * undertake preparations for the coordination meeting in May 2022; * continue reporting on any progress on the matter as well as on the outcome of the planned multilateral coordination meeting. |
| f) With reference to § 4.4 of Document RRB22-1/4, the Board reminded the administrations concerned of the provisions of Nos. 37 and 197, § 1 of Article 1 of the ITU Constitution and Section VI of Article **15** of the Radio Regulations. Recognizing at this time the limited ability of the Administration of Ukraine to carry out the procedures of Article **15** of the Radio Regulations, the Board instructed the Bureau to continue following any development on the matter. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to continue following any development on the matter. |
| g) The Board considered in detail § 4.5 of Document RRB22-1/4, on harmful interference to the JCSAT-3A satellite network of the Administration of Japan and noted that the Administration of the Lao People’s Democratic Republic had also requested the assistance of the Bureau to eliminate the harmful interference to its LAOSAT-1 satellite network in the band 3 465–3 473 MHz. Based on the information provided, and in accordance with RR No. **13.2**, the Board decided to request:   * the Administration of the Russian Federation to investigate if harmful interference could originate from earth station(s) located on the territory under its jurisdiction, as displayed in the geolocation information provided by the Administration of Japan. When informing the Board of the results of its investigation, the Administration of the Russian Federation should also indicate the reasons for the conclusion in order to facilitate further investigation, as necessary; * both Administrations to continue to exercise the utmost good will and mutual assistance in the application of the provisions of Article 45 of the Constitution and of Section VI of Article **15** of the Radio Regulations.   The Board instructed the Bureau to:   * request the cooperation of administrations that were signatories to the Memorandum of Understanding on Space Monitoring to assist in performing geolocation measurements to identify the source of harmful interference; * report on progress to the 90th Board meeting. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to:   * request the cooperation of administrations that were signatories to the Memorandum of Understanding on Space Monitoring to assist in performing geolocation measurements to identify the source of harmful interference; * report on progress to the 90th Board meeting. |
| h) In considering § 4.6 of Document RRB22-1/4, on harmful interference affecting the RNSS in the 1 559–1 610 MHz band, the Board noted with concern the impact of such harmful interference on radiocommunication services ensuring safety of life and the navigation of aircraft. In accordance with RR No. **13.2**, the Board decided to request Member States to ensure that their operating agencies complied with the applicable provisions of the ITU legal instruments:   * “All stations, whatever their purpose, must be established and operated in such a manner as not to cause harmful interference to the radio services or communications of other Member States or of recognized operating agencies, or of other duly authorized operating agencies which carry on a radio service, and which operate in accordance with the provisions of the Radio Regulations.” (Article 45 of the ITU Constitution) * “to take the steps required to prevent the transmission or circulation of false or deceptive distress, urgency, safety or identification signals, and to collaborate in locating and identifying stations under their jurisdiction transmitting such signals.” (Article 47 of the ITU Constitution) * “1 Member States retain their entire freedom with regard to military radio installations.”; “2 Nevertheless, these installations must, so far as possible, observe statutory provisions relative to giving assistance in case of distress and to the measures to be taken to prevent harmful interference, and the provisions of the Administrative Regulations concerning the types of emission and the frequencies to be used, according to the nature of the service performed by such installations.”; “3 Moreover, when these installations take part in the service of public correspondence or other services governed by the Administrative Regulations, they must, in general, comply with the regulatory provisions for the conduct of such services.” (Article 48 of the ITU Constitution) * “Recognizing that transmissions on distress and safety frequencies and frequencies used for the safety and regularity of flight (see Article **31** and Appendix **27**) require absolute international protection and that the elimination of harmful interference to such transmissions is imperative, administrations undertake to act immediately when their attention is drawn to any such harmful interference.” (RR No. **15.28**)   The Board further decided to request Member States to continue to exercise the utmost good will and mutual assistance in the application of the provisions of Article 45 of the Constitution and of Section VI of Article **15** of the Radio Regulations.  The Board instructed the Bureau to issue a circular letter to the Member States to disseminate the decision and other background information about the prevention of harmful interference to RNSS receivers. | Bureau to issue a circular letter to the Member States to disseminate the decision and other background information about the prevention of harmful interference to RNSS receivers. |
| i) The Board noted § 5 of Document RRB22-1/4 on the implementation of No. **11.44.1**, No. **11.47**, No. **11.48**, No. **11.49**, No. **9.38.1**, Resolution **49 (Rev.WRC-19)** and No. **13.6** of the Radio Regulations. | - |
| j) The Board considered in detail § 6 of Document RRB22-1/4 on the progress of the work on Resolution **559 (WRC-19)** submissions and noted with satisfaction the continued successful implementation of the procedure and the good will that administrations had exercised in protecting submissions under Resolution **559 (WRC-19)**. The Board recognized with gratitude:   * the efforts of the Bureau in the implementation of the Resolution **559 (WRC-19)** procedure and the support provided to administrations in their submissions under this resolution; * the continued support provided by the Bureau during a workshop organized by a regional group.   The Board also recognized the importance of the endorsement by ITU-R Working Party 4A of all the measures suggested by the Bureau to facilitate the coordination of submissions under Resolution **559 (WRC-19)** and reaffirmed its intention to report those measures and progress in its Report under Resolution **80 (Rev.WRC-07)** to WRC-23. Furthermore, the Board expressed its appreciation for the cooperation of administrations in accepting to implement the mitigation measures that would avoid further degradation of the reference situation of submissions of other administrations under Resolution **559 (WRC-19)**. The Board encouraged administrations to further cooperate and participate actively in the coordination activities and instructed the Bureau to continue to provide support to the administrations in those efforts. | Bureau to continue to provide support to the administrations in their coordination efforts. |
| k) In considering § 7 of Document RRB22-1/4, on the review of findings to frequency assignments to non-GSO FSS satellite systems under Resolution **85 (WRC-03)**, the Board noted with satisfaction the acceleration in the treatment of filings by the Bureau and instructed the Bureau to continue its efforts to improve the speed of processing such filings and to report progress to future meetings of the Board. | Bureau to continue its efforts in improve the speed of processing these filings and to report progress to future meetings of the Board. |
| l) The Board noted § 8 of Document RRB22-1/4 on submissions under the provisions of Resolution **35 (WRC-19)**. | - |
| m) The Board noted § 9 of Document RRB22-1/4 on the resubmission of notified frequency assignments to the UKMMSAT-B\_1 satellite network of the Administration of the United Kingdom. | - |
| n) In considering § 10 of Document RRB22-1/4, on a new date of receipt of the Part B and notification of the NEW DAWN FSS-3 satellite network of the Administration of Papua New Guinea, the Board noted that:   * the administration had replied in a timely manner to the first inquiry of the Bureau but had missed the deadline for replying to the second inquiry of the Bureau by nine days; * the 15-day period for replying to second inquiries of the Bureau was based on the general practice of the Bureau; * a space station was currently in operation in compliance with the relevant provisions of the Radio Regulations; * the modified technical characteristics would have no impact on the coordination requirements for the satellite network.   Consequently, the Board decided to instruct the Bureau to resume the processing of the submissions under § 6.17 and § 8.1 of Appendix **30B** for the NEW DAWN FSS-3 satellite network with the newly submitted characteristics and to change the date of receipt of those two submissions to 18 March 2022. | Executive Secretary to communicate these decisions to the administration concerned.  Bureau to resume the processing of the submissions under § 6.17 and § 8.1 of Appendix **30B** for the NEW DAWN FSS-3 satellite network with the newly submitted characteristics and to change the date of receipt of those two submissions to 18 March 2022. |
| o) The Board considered in detail Addenda 3 and 6 to Document RRB22-1/4 reporting on the coordination efforts of the satellite networks of the Administrations of Saudi Arabia (the notifying administration for the satellite networks of the intergovernmental satellite organization ARABSAT), France (the notifying administration for its own satellite networks and for EUTELSAT satellite networks) and the Islamic Republic of Iran in the Ku band, and the Administrations of Saudi Arabia (the notifying administration for the satellite networks of the intergovernmental satellite organization ARABSAT) and France (the notifying administration for its own satellite networks) in the Ka band, respectively. The Board noted with satisfaction that:   * the coordination efforts between the three administrations had concluded successfully for the satellite networks with frequency assignments in the Ku band and an agreement was ready for signature; * the coordination efforts between the two administrations in the Ka band had made good progress; * a further coordination meeting had been scheduled for the period 21–22 March 2022 between the Administrations of Saudi Arabia and France.   The Board expressed its appreciation for the cooperation between the administrations and their coordination efforts in good will and thanked the Bureau for its assistance to the administrations in those efforts. The Board encouraged the Administrations of Saudi Arabia and France to continue their coordination efforts in the Ka band and instructed the Bureau to continue to provide the necessary support to the administrations and to report any progress to the 90th Board meeting. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to continue to provide the necessary support to the administrations and to report any progress to the 90th Board meeting. |
| p) In relation to Addendum 5 to Document RRB22-1/4, on the coordination activities between the Administrations of France and Greece concerning the ATHENA-FIDUS-38E satellite network at 38°E and the HELLAS-SAT-2G satellite network at 39°E, the Board noted with satisfaction the progress made in those efforts and that another coordination meeting was planned with the support of the Bureau, and thanked the Bureau for its support to the two administrations. The Board encouraged the Administrations of France and Greece to continue their coordination efforts in good will and instructed the Bureau to continue providing support for those efforts and to report on any progress to the 90th Board meeting. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to continue providing support for these efforts and to report on any progress to the 90th Board meeting. |
| q) The Board considered in detail Addendum 7 to Document RRB22-1/4 regarding the dates of the deadline for bringing into use the frequency assignments to the BALKANSAT AP30B satellite network from the Administration of Bulgaria and for submitting the required information under Resolution **49 (Rev. WRC-19)** for that satellite network. In reference to its decision at the 88th Board meeting regarding that satellite network, the Board reiterated that its decision had not been based on an extension of the regulatory time-limit to bring into use the frequency assignments to the satellite network as a case of *force majeure*, but instead had been based on a regulatory inconsistency with the purpose of Appendix **30B**. Furthermore, the Board noted that the rules of procedure on RR No. **11.48** were not applicable in this case. The Board concluded that the consequence of not providing the information required under Resolution **49 (Rev. WRC-19)** for frequency assignments that were in conformity with a Plan allotment should not be the cancellation of the frequency assignments. Consequently, the Board decided to:   * accede to the request from the Administration of Bulgaria to set the regulatory time-limit for the submission of the information required under Resolution **49 (Rev. WRC-19)** for the BALKANSAT AP30B satellite network to the last day of WRC-23, 15 December 2023; * include this aspect in its Report on Resolution **80 (Rev.WRC-07)** to WRC-23.   The Board reminded the Administration of Bulgaria that should the frequency assignments that were in conformity with the Plan allotment be brought into use before 15 December 2023, the administration would be expected to provide also the information required under Resolution **49 (Rev. WRC-19)** no later than the date on which the assignments were brought into use. | Executive Secretary to communicate these decisions to the administration concerned. |
| r) With reference to Addendum 10 to Document RRB22-1/4 and the request from the Administration of Ukraine received on 27 February 2022, the Board indicated its understanding of the situation that the administration was experiencing. The Board recognized at this time the limited ability of the Administration of Ukraine to carry out the regulatory procedures to protect its frequency assignments and allotments. The Board noted with appreciation the general practice of the Bureau to accept late replies to BR IFIC publications when an administration was unable to respond due to extreme circumstances to such publications in cases where it had been identified as potentially affected by the frequency assignments or allotments of another administration, as was recently the case when the Administration of Tonga had been affected by a natural disaster. The Board considered that the same practice should be followed with respect to other administrations’ submissions where the Administration of Ukraine was identified as affected. The Board furthermore considered that this case qualified as a situation of *force majeure*. Consequently, the Board decided to:   * accede to the request from the Administration of Ukraine to treat all cases, as of 27 February 2022, where the Administration of Ukraine was identified as potentially affected by the submissions of frequency assignments and allotments of another administration as having received an objection from the Administration of Ukraine; * reassess the situation at its 90th meeting. | Executive Secretary to communicate these decisions to the administration concerned.  Bureau to implement this approach in cases where the Administration of Ukraine was identified as affected. |
| 4 | **Rules of procedure** | | |
| 4.1 | List of proposed rules of procedure [RRB22-1/1](https://www.itu.int/md/R22-RRB22.1-C-0001/en); [RRB20-2/1(Rev.5)](https://www.itu.int/md/R21-RRB21.1-C-0001/en) | Following a meeting of the Working Group on the Rules of Procedure, under the chairmanship of Mr Y. HENRI, the Board decided to update the list of proposed rules of procedure in Document RRB22-1/1 taking into account:   * the rules of procedure in CCRR/68 that were approved at the meeting; * the draft rules of procedure on Resolution **1 (Rev.WRC-97)**.   On the issue of frequency assignments to stations located on disputed territories, the Board thanked the Bureau for the additional updated text of the draft rules of procedure on Resolution **1 (Rev.WRC-97)**. Following thorough discussions, the Board agreed on the elements to be included in the draft rules of procedure complemented by the list of disputed territories and instructed the Bureau to have the draft rules of procedure and the list of disputed territories reviewed by the ITU Legal Affairs Unit before consideration by the Board at its 90th meeting. | Executive Secretary to publish the list of proposed rules of procedure on the website.  Bureau to have the draft rules of procedure and the list of disputed territories reviewed by the ITU Legal Affairs Unit before consideration by the Board at its 90th meeting. |
| 4.2 | Draft Rules of Procedure [CCRR/68](https://www.itu.int/md/R00-CCRR-CIR-0068/en) | The Board discussed the draft rules of procedure circulated to administrations in Circular Letter CCRR/68, along with the comments received from administrations as contained in Document RRB22-1/3. The Board approved those rules of procedure with modifications as contained in the attachment to this summary of decisions. | Executive Secretary to update and publish the Rules of Procedure accordingly. |
| 4.3 | Rules of Procedure: Comments from Administrations [RRB22-1/3](https://www.itu.int/md/R22-RRB22.1-C-0003/en) |
| 5 | **Requests relating to the registration of frequency assignments to satellite networks** | | |
| 5.1 | Submission by the Administration of Saudi Arabia (Kingdom of) regarding the registration of frequency assignments of the ARABSAT-AXB30.5E satellite network submitted under Article 6 of Appendix **30B** of the Radio Regulations [RRB22-1/2](https://www.itu.int/md/R22-RRB22.1-C-0002/en) | The Board considered in detail the submissions of the Administration of Saudi Arabia as contained in Documents RRB22-1/2 and RRB22-1/11. Furthermore, the Board considered that the Bureau had acted correctly and in accordance with the Radio Regulations. Based on the information provided, the Board noted that:   * the global COVID-19 pandemic had adversely impacted communication between the Bureau and the Administration of Saudi Arabia; * a satellite was already operational and in orbit at 30.5°E, and was providing service to several countries, including developing countries; * the Administration of Saudi Arabia had made considerable efforts to complete coordination requirements with other administrations and no cases of harmful interference had been reported; * Appendix **30B** provided no opportunity to apply § 6.25 for the resubmission of a returned notice when an allotment was identified as affected.   Consequently, the Board decided to accede to the request from the Administration of Saudi Arabia and instructed the Bureau to:   * maintain the ARABSAT-AXB30.5E satellite network filing; * accept the new notices containing the revised Appendix **4** data of that satellite network and to proceed with the further processing thereof. | Executive Secretary to communicate these decisions to the administration concerned.  Bureau to:   * maintain the ARABSAT-AXB30.5E satellite network filing; * accept the new notices containing the revised Appendix **4** data of this satellite network and to proceed with the further processing thereof. |
|  | Further submission by the Administration of Saudi Arabia (Kingdom of) regarding the registration of frequency assignments of the ARABSAT-AXB30.5E satellite network submitted under Article 6 of Appendix **30B** of the Radio Regulations [RRB22-1/11](https://www.itu.int/md/R22-RRB22.1-C-0011/en) |
| 6 | Request for the cancellation of frequency assignments to satellite networks under No. **13.6** of the Radio Regulations | | |
| 6.1 | Request for a decision by the Radio Regulations Board for the cancellation of the frequency assignments to the LM-RPS-133W satellite network at 133°W under No. **13.6** of the Radio Regulations [RRB22-1/5](https://www.itu.int/md/R22-RRB22.1-C-0005/en) | The request was withdrawn since the Bureau had received a request during the 89th Board meeting from the Administration of the United States of America to suppress the frequency assignments to the LM-RPS-133W satellite network at 133°W. | - |
| 6.2 | Request for a decision by the Radio Regulations Board for the cancellation of some frequency assignments to the NEW DAWN 23 satellite network at 64°E under No. **13.6** of the Radio Regulations [RRB22-1/6](https://www.itu.int/md/R22-RRB22.1-C-0006/en) | The Board considered the request by the Bureau for a decision on the cancellation of the frequency assignments to the NEW DAWN 23 satellite network at 64°E under RR No. **13.6**. The Board further considered that the Bureau had acted in accordance with RR No. **13.6** and had sent requests to the Administration of Papua New Guinea to provide evidence as to whether the frequency assignments to the NEW DAWN 23 satellite network in the frequency band 6 485–6 725 MHz had been brought into use or continued to be in use and to identify the actual satellite which was currently in operation, followed by two reminder letters, to which no response had been received. Consequently, the Board instructed the Bureau to cancel in the MIFR the frequency assignments to the NEW DAWN 23 satellite network in the frequency band 6 485–6 725 MHz. | Executive Secretary to communicate these decisions to the administration concerned.  Bureau to cancel in the MIFR the frequency assignments to the NEW DAWN 23 satellite network in the frequency band 6 485–6 725 MHz. |
| 7 | Issues and requests relating to the extension of regulatory time-limits to bring or to bring back into use frequency assignments to satellite networks | | |
| 7.1 | Submission by the Administration of Papua New Guinea requesting the extension of the time-limit to bring back into use the frequency assignments to the NEW DAWN 25 satellite network [RRB22-1/8](https://www.itu.int/md/R22-RRB22.1-C-0008/en) | The Board considered the submission from the Administration of Papua New Guinea, as contained in Document RRB22-1/8, in response to the request from the Board for further information in support of the request received from that administration at its 88th meeting and thanked the administration for the information provided. The Board noted, however, that:   * the answers to the questions raised by the Board at its 88th meeting did not contain new information that provided additional support for the request from the Administration of Papua New Guinea; * no evidence was provided that the case satisfied all the conditions to qualify as a situation of *force majeure*; * insufficient justification was provided for the requested extension of the regulatory time-limit to 31 December 2024 to bring back into use the frequency assignments to the NEW DAWN 25 satellite network.   Consequently, the Board concluded that it was still unable to accede to the request from the Administration of Papua New Guinea based on the information provided. Since the time-limit to bring back into use the frequency assignments to the NEW DAWN 25 satellite network was 7 April 2022, the Board decided to instruct the Bureau to maintain the frequency assignments to the NEW DAWN 25 satellite network until the end of the 90th Board meeting. Furthermore, the Board instructed the Bureau to invite the Administration of Papua New Guinea to provide information to the 90th Board meeting on the following issues in support of its request:   * whether, and to what extent, other interim solutions had been considered beyond the relocation of satellites owned by the operator; * clarifications on the nature and rationale for designing a purpose-built replacement satellite; * the timelines for the design development and the contract negotiations to justify the period of 21 months that had been required to sign a contract with a satellite manufacturer; * concrete information to justify the length of the extension requested, based on the actual or anticipated launch contract; * substantive proof, with supporting documentation, that the last two conditions had been met for the case to qualify as a situation of *force majeure* noting that the catastrophic event having met the first two conditions of a situation of *force majeure*. | Executive Secretary to communicate these decisions to the administration concerned.  Bureau to maintain the frequency assignments to the NEW DAWN 25 satellite network until the end of the 90th Board meeting.  Bureau to invite the Administration of Papua New Guinea to provide information to the 90th Board meeting on the following issues in support of its request:   * whether, and to what extent, other interim solutions were considered beyond the relocation of satellites owned by the operator; * clarifications on the nature and rationale for designing a purpose-built replacement satellite; * the timelines for the design development and the contract negotiations to justify the period of 21 months that had been required to sign a contract with a satellite manufacturer; * concrete information to justify the length of the extension requested, based on the actual or anticipated launch contract; * substantive proof, with supporting documentation, that the last two conditions had been met for the case to qualify as a situation of *force majeure*. |
| 7.2 | Submission by the Administration of the State of Israel requesting the extension of the regulatory time-limit to bring back into use the frequency assignments to the AMS-B2-13.8E and AMS-B7-13.8E satellite networks [RRB22-1/9](https://www.itu.int/md/R22-RRB22.1-C-0009/en); [RRB22-1/DELAYED/](https://www.itu.int/md/R22-RRB22.1-SP-0006/en)6 | The Board considered in detail the submission from the Administration of Israel as contained in Document RRB22-1/9 and considered Document RRB22-1/DELAYED/6 for information. The Board thanked the administration for the information provided, based on which it noted that:   * substantive evidence was provided to prove that all conditions were satisfied for the case to qualify as a situation of *force majeure*; * the timelines for the project and the status of the satellite construction prior to the pandemic would have enabled the administration to comply with the regulatory time-limit to bring back into use the frequency assignments to the AMS-B2-13.8E and AMS-B7-13.8E satellite networks, had the COVID-19 pandemic not occurred; * the length of the extension of the regulatory time-limit was justified, including the time required for orbit raising and in-orbit testing; * it was not able to grant extensions of regulatory time-limits based on additional contingencies.   Consequently, the Board decided to accede to the request from the Administration of Israel to extend the regulatory time-limit to bring back into use the frequency assignments to the AMS-B2-13.8E and AMS-B7-13.8E satellite networks until 29 July 2023. The Board reminded the Administration of Israel that the frequency assignments to the AMS-B7-13.8E satellite network in the Ku band should be adjusted to the Ku band frequency range of the TT&C of the Viasat-3 EMEA satellite as soon as that information became available, at the latest at the time of bringing back into use the frequency assignments. | Executive Secretary to communicate these decisions to the administration concerned. |
| 7.3 | Submission by the Administration of Turkey requesting the extension of the regulatory time-limit to bring into use the frequency assignments to the TURKSAT-42E-F satellite network at 42°E [RRB22-1/10](https://www.itu.int/md/R22-RRB22.1-C-0010/en) | The Board considered the request from the Administration of Turkey as contained in Document RRB22-1/10 and thanked the administration for the detailed and complete information provided in the submission. The Board noted that:   * the Administration of Turkey demonstrated that in the absence of the impact of the delays caused by the COVID-19 pandemic, it would have been able to comply with the regulatory time-limit to bring into use the frequency assignments to the TURKSAT-42E-F satellite network at 42°E in conformity with the Radio Regulations; * substantive evidence was provided to prove that all the conditions were satisfied for the case to qualify as a situation of *force majeure*; * the requested extension of the regulatory time-limit was limited, defined and fully justified; * a satellite, Turksat-5B, had been launched on 18 December 2022 and was in the process of orbit raising.   Consequently, the Board decided to accede to the request from the Administration of Turkey to extend the regulatory time-limit to bring into use the frequency assignments to the TURKSAT-42E-F satellite network at 42°E in the bands 13.4–13.65 GHz and 14.5–14.75 GHz until 19 June 2022. | Executive Secretary to communicate these decisions to the administration concerned. |
| 7.4 | Submission by the Administration of Luxembourg requesting the extension of the regulatory time-limit to bring into use the frequency assignments to the CLEOSAT satellite network [RRB22-1/13](https://www.itu.int/md/R22-RRB22.1-C-0013/en); [RRB22-1/DELAYED/](https://www.itu.int/md/R22-RRB22.1-SP-0003/en)5 | The Board considered the submission from the Administration of Luxembourg as contained in Document RRB22-1/13 and also considered Document RRB22-1/DELAYED/5 for information. The Board noted that:   * it was the responsibility of the administration to comply with the Radio Regulations, to observe the regulatory time-limits and to monitor fulfilment of the regulatory obligations that would have allowed it to intervene earlier and thus to ensure the bringing into use of the frequency assignments within the time-limit; * from the information provided, all conditions were not satisfied for the case to qualify as a situation of *force majeure*.   Consequently, the Board decided not to accede to the request from the Administration of Luxembourg to extend the regulatory time-limit to bring into use the frequency assignments to the CLEOSAT satellite network. | Executive Secretary to communicate these decisions to the administration concerned. |
| 8 | Cases of harmful interference | | |
| 8.1 | Submission by the Administration of the United Kingdom of Great Britain and Northern Ireland regarding harmful interference to emissions of United Kingdom high frequency broadcasting stations published in accordance with RR Article **12** [RRB22-1/7](https://www.itu.int/md/R22-RRB22.1-C-0007/en); [RRB22-1/DELAYED/3](https://www.itu.int/md/R22-RRB22.1-SP-0003/en) | The Board considered the submission from the Administration of the United Kingdom as contained in Document RRB22-1/7 and also considered Document RRB22-1/DELAYED/3 for information. The Board noted that:   * the Bureau continued to receive reports of harmful interference to emissions of high frequency broadcasting stations of the Administration of the United Kingdom published in accordance with RR Article **12**; * the claims by the Administration of the United Kingdom as to the source of the harmful interference had been confirmed by the results of international monitoring provided to the 87th Board meeting; * the Administration of China neither acknowledged nor denied the results of the international monitoring, which had identified the sources of the harmful interference as locations within its territory; * the Administration of China requested additional information to enable it to take measures to identify the source of the harmful interference; * efforts to resolve the matter bilaterally had not been successful.   Consequently, the Board decided to encourage the Administration of China again to continue to find solutions to eliminate the harmful interference to the emissions of United Kingdom high frequency broadcasting stations. The Board encouraged the administrations to exchange the information required to enable them to resolve the cases of harmful interference and to pursue their coordination efforts in good will and cooperation. The Board instructed the Bureau to:   * convene a bilateral coordination meeting with the participation and assistance of the Bureau; * continue to provide support to the two administrations in their coordination efforts; * report on progress to the 90th Board meeting. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to:   * convene a bilateral coordination meeting with the participation and assistance of the Bureau; * continue to provide support to the two administrations in their coordination efforts; * report on progress to 90th Board meeting. |
| 8.2 | Submission regarding harmful interference to ARABSAT satellite networks at 30.5°E and TURKSAT satellite networks at 31°E [RRB22-1/14](https://www.itu.int/md/R22-RRB22.1-C-0014/en); [RRB22-1/4(Add.8)](https://www.itu.int/md/R22-RRB22.1-C-0004/en); [RRB22-1/4(Add.9)](https://www.itu.int/md/R22-RRB22.1-C-0004/en)(Rev.1); [RRB22-1/DELAYED/](https://www.itu.int/md/R22-RRB22.1-SP-0004/en)4; [RRB22-1/DELAYED/](https://www.itu.int/md/R22-RRB22.1-SP-0007/en)7 | The Board considered in detail Addenda 8 and 9 to Document RRB22-1/4 and the submission of the Administration of Turkey as contained in Document RRB22-1/14, and also considered, for information, Documents RRB22-1/DELAYED/4 and RRB22-1/DELAYED/7 from the Administration of Saudi Arabia relating to harmful interference to ARABSAT satellite networks at 30.5°E and TURKSAT satellite networks at 31°E, and the uncoordinated use of spectrum resources by those satellites systems. The Board thanked the Bureau for the reports provided on the status of coordination discussions and on reports of harmful interference that it had received since the 88th meeting of the Board, and for its support to the two administrations.  The Board noted that:   * no new coordination meeting had been convened between the Administrations of Turkey and Saudi Arabia with the participation and support of the Bureau since the last meeting in September 2021; * no progress had been made to resolve the harmful interference as a result of uncoordinated use of the frequency assignments to the ARABSAT satellite networks at 30.5°E and TURKSAT satellite networks at 31°E; * two satellites were operational at the positions of 30.5°E and 31°E with overlapping frequency assignments and overlapping service areas; * both administrations had submitted several reports to the Bureau of harmful interference to the services of those satellite systems; * deliberate actions had been taken to cause harmful interference to services provided by the ARABSAT and TURKSAT satellite networks.   The Board expressed its grave concern regarding the use of unmodulated signals to cause intentional harmful interference to the radiocommunication services of another administration and condemned such actions in the strictest terms, indicating that such behaviour was in direct contravention of No. **15.1** of the Radio Regulations. Furthermore, the Board viewed the deliberate actions to cause harmful interference to the ARABSAT 5A satellite network in the bands 13.75–14.0 GHz and 12.5–12.75 GHz, which seemed to originate from earth station(s) located on the territory under the jurisdiction of the Administration of Turkey (as displayed in the geolocation information provided by the Administration of Saudi Arabia) and which was not linked to networks that were the subject of the coordination discussions, as extremely worrisome and unacceptable. Noting that there had been no recognition of such actions by the Administration of Turkey and that there was a need to identify the source of the intentional harmful interference in the bands 13.75–14.0 GHz and 12.5–12.75 GHz, the Board decided to instruct the Bureau to:   * request the cooperation of administrations that were signatories to the Memorandum of Understanding on Space Monitoring to assist in performing geolocation measurements to identify the sources of the intentional harmful interference; * report on progress on international monitoring to the 90th Board meeting.   In addition, the Board strongly urged both administrations to:   * immediately cease any deliberate action to cause harmful interference to frequency assignments of the other administration; * exercise the utmost good will and mutual assistance in the application of the provisions of Article 45 of the Constitution and Section VI of Article **15** of the Radio Regulations to eliminate all harmful interference; * promptly establish an interim agreement to allow the operation of the two satellite systems free of harmful interference, while coordination efforts for their long-term operation was pursued; * continue their coordination efforts in good will and in an equitable manner, taking into account the rules of procedure on RR No. **9.6,** to find mutually acceptable solutions that would eliminate all harmful interference on a permanent basis; * pursue all possible technical solutions, including, but not limited to, frequency band segmentation and service area definition.   The Board reminded both administrations that while RR No. **11.41** was applicable, its use required the notifying administration, when submitting notices in application of No. **11.41**, to indicate to the Bureau that efforts had been made to effect coordination with those administrations whose assignments were the basis of the unfavourable findings without success, usually reflecting insufficient and/or difficult coordination discussions. As such, the application of RR Nos. **11.42** and **11.42A** should not precede or exclude seeking solutions through exhaustive coordination efforts. Given that the two administrations had only recently begun coordination discussions under the auspices of the Bureau, the Board decided that it was premature to refer to the application of RR No. **11.42A**. The Board emphasized again that the focus of those efforts should not be on the date of protection of frequency assignments but instead on ensuring that compatible use of the orbital and spectrum resources should be the priority. Furthermore, the Board reminded both administrations of the rules of procedure under RR No. **9.6**:  c) that the “coordination process is a two way process” as established at WARC Orb-88;  d) “in the application of Article **9** no administration obtains any particular priority as a result of being the first to start either the advance publication phase (Section I of Article **9**) or the request for coordination procedure (Section II of Article **9**).”  Consequently, the Board also decided to instruct the Bureau to:   * continue to support the two administrations in their coordination efforts; * convene bilateral coordination meetings with the participation and support of the Bureau; * report on progress on coordination to the 90th Board meeting. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to:   * continue to support the two administrations in their coordination efforts; * convene bilateral coordination meetings with the participation and support of the Bureau; * request the cooperation of administrations that were signatories to the Memorandum of Understanding on Space Monitoring to assist in performing geolocation measurements to identify the sources of the intentional harmful interference; * report on progress on international monitoring and coordination efforts to the 90th Board meeting. |
| 8.3 | Submission by the Administration of the United Arab Emirates regarding harmful interference to the AL YAH-1 (52.5E) satellite network [RRB22-1/17](https://www.itu.int/md/R22-RRB22.1-C-0017/en) | In considering the submission from the Administration of the United Arab Emirates as contained in Document RRB22-1/17 as well as § 4.3 of Document RRB22-1/4, the Board expressed its appreciation for the cooperation between the Administrations of the United Arab Emirates and Ukraine. The Board recognized the initial efforts of the Administration of Ukraine to identify and eliminate the source of interference. However, the Board noted that the source of harmful interference had returned, as reported by the Administration of the United Arab Emirates. The Board encouraged both administrations to continue exercising the utmost good will and mutual assistance in the application of the provisions of Article 45 of the Constitution and Section VI of Article **15** of the Radio Regulations. Furthermore, the Board reminded both administrations of the provisions of Nos. 37 and 197, and § 1 of Article 1 of the ITU Constitution. Recognizing at this time the limited ability of the Administration of Ukraine to carry out the procedures of Article **15** of the Radio Regulations, the Board instructed the Bureau to continue following any development in this matter. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to continue following any development in this matter. |
| 9 | Submission by the Administrations of Bosnia and Herzegovina, Croatia (Republic of), North Macedonia (Republic of), Moldova (Republic of), Rwanda (Republic of), Serbia (Republic of) and South Sudan (Republic of) regarding WRC-23 agenda item 7, Topic E  [RRB22-1/12](https://www.itu.int/md/R22-RRB22.1-C-0012/en) | The Board considered in detail the submission from seven administrations as contained in Document RRB22-1/12 and thanked those administrations for having brought this issue to its attention. The Board recognized that the main objective of the FSS Plan was to guarantee equitable access to orbital and spectrum resources to all administrations for future use. The Board noted that:   * this objective was difficult to fulfil given the significant number of additional systems that needed to be coordinated with the Article 7 submissions to be entered in the Plan; * WRC-23 agenda item 7, Topic E was intended to address the improvements to the Article 7 procedure of Appendix **30B** needed to reduce the impact of numerous additional systems on new Plan allotments from new Member States of the Union; * it had instructed the Bureau to implement similar measures for submissions under Resolution **559 (WRC-19)** at the 84th Board meeting.   Consequently, the Board decided to accede to the request from the administrations and instructed the Bureau to implement, as an interim measure until WRC-23, the following additional regulatory measures:   * to review Part B submissions received after 28 October 2021 associated with Part A submissions received before 12 March 2020 during the completeness process of those Part B submissions, and to identify additional measures that could be implemented by the notifying administrations to avoid degradation of the aggregate *C/I* levels of the Article 7 requests; * to request the notifying administrations, following the review of completeness of Part B submissions, to make their utmost efforts to take into account such Article 7 requests and the results of the Bureau’s analysis with measures to avoid further degrading aggregate *C/I* levels; * to analyse the impact of the above-mentioned Part B submissions on the aggregate *C/I* levels of such Article 7 requests and to report the results, together with the efforts undertaken by those Part B administrations, to the next meetings of the Board for further consideration. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to implement the approach described as an interim measure until WRC-23. |
| 10 | Submission by the Administrations of Angola (Republic of), Botswana (Republic of), Cameroun (Republic of), Congo (Democratic Republic of), Comoros (The Union of), Djibouti (Republic of), Eswatini (Kingdom of), Gabon (Republic of), Kenya (Republic of), Lesotho (Republic of), Malawi (Republic of), Mali (Republic of), Madagascar (Republic of), Mauritius (Republic of), Mozambique (Republic of), Moldova (Republic of), Niger (Republic of), Namibia (Republic of), North Macedonia (Republic of), Poland (Republic of), Romania, Rwanda (Republic of), Senegal (Republic of), Serbia (Republic of), Somalia (Federal Republic of), South Africa (Republic of), South Sudan (Republic of), Tanzania (United Republic of), Tunisia (Republic of), Uganda (Republic of), Zambia (Republic of), Zimbabwe (Republic of) regarding the examination by the Bureau of Part B submissions in accordance with Resolution **559 (WRC-19)** [RRB22-1/15](https://www.itu.int/md/R22-RRB22.1-C-0015/en) | The Board considered the submission from 32 administrations as contained in Document RRB22-1/15. The Board recognized that the objective of Resolution **559 (WRC-19)** was to restore equitable access to Appendices **30** and **30A** spectrum/orbital resources to administrations, especially to developing countries, that had degraded frequency assignments in the Plan. The Board noted that the proposal from the 32 administrations was in the spirit of Resolution **559 (WRC-19)** and would facilitate implementation of the resolution without impacting the service areas of frequency assignments for additional use in the BSS Plan or in the List. Consequently, the Board decided to accede to the request of the 32 administrations in relation to the examination procedure of Part B submissions made in accordance with Resolution **559 (WRC-19)** in respect of frequency assignments for additional use in Regions 1 and 3, where the following approach was to be used:  “When examining Part B of submissions made in accordance with Resolution **559 (WRC-19)** in respect of BSS assignments for additional uses in Regions 1 and 3, the affected test point of the additional use that is located inside the territory of the notifying administration of a submission under Resolution **559 (WRC-19)** should not be considered in formulating a finding.”  The Board instructed the Bureau to implement the approach as described above in its examination procedures. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to implement the approach as described in its examination procedures. |
| 11 | Submission by the Administrations of Angola (Republic of), Botswana (Republic of), Cameroun (Republic of), Congo (Democratic Republic of), Comoros (The Union of), Djibouti (Republic of), Eswatini (Kingdom of), Gabon (Republic of), Kenya (Republic of), Lesotho (Republic of), Malawi (Republic of), Mali (Republic of), Madagascar (Republic of), Mauritius (Republic of), Mozambique (Republic of), Niger (Republic of), Namibia (Republic of), Rwanda (Republic of ), Senegal (Republic of), Somalia (Federal Republic of), South Africa (Republic of), South Sudan (Republic of), Tanzania (United Republic of), Tunisia (Republic of), Uganda (Republic of), Zambia (Republic of), Zimbabwe (Republic of) regarding the long-term protection of frequency assignments in the Regions 1 and 3 BSS Plans, allotments in the FSS Plan and those intended to enter into these plans from an incoming network [RRB22-1/16](https://www.itu.int/md/R22-RRB22.1-C-0016/en) - [RRB22-1/DELAYED/1](https://www.itu.int/md/R22-RRB22.1-SP-0001/en) | The Board considered in detail the submission from 27 administrations as contained in Document RRB22-1/16 and also considered Document RRB22-1/DELAYED/1 for information. The Board recognized the difficulties those administrations had encountered in relation to the concept of implicit agreement, which was in force in a number of provisions of the Radio Regulations, and its potential impact on administrations that were unable to respond within the time-limits to such cases affecting their frequency assignments or allotments. Consequently, the Board decided to accede to the request from the 27 administrations and instructed the Bureau to include the General Secretariat of the African Telecommunication Union (ATU) in the list of recipients of a reminder sent under §§ 4.1.10b and 4.1.10c of Appendices **30** and **30A** and under §§ 6.14 and 6.14bis of Appendix **30B** whenever that reminder was sent to one of the ATU members as an interim measure, until the end of WRC-23.  The Board considered that it was not in a position to accede to the request to accept answers from the General Secretariat of the ATU on behalf of an administration to reminders sent by the Bureau where the administration’s frequency assignments or allotments were considered as affected. The Board instructed the Bureau to request the ITU Legal Advisor to provide an opinion on this matter to the 90th Board meeting. Furthermore, the Board decided to include this matter in its Report on Resolution **80 (Rev.WRC-07)** to WRC-23. | Executive Secretary to communicate these decisions to the administrations concerned.  Bureau to include the General Secretariat of the African Telecommunication Union (ATU) in the list of recipients of a reminder sent under §§ 4.1.10b and 4.1.10c of Appendices **30** and **30A** and under §§ 6.14 and 6.14bis of Appendix **30B** whenever that reminder was sent to one of the ATU members, as an interim measure until the end of WRC-23. Bureau to request the ITU Legal Advisor to provide an opinion on this matter to the 90th Board meeting. |
| 12 | Consideration of issues related to Resolution **80** **(Rev.WRC-07****)** | Under the chairmanship of Ms C. BEAUMIER of the Working Group on the Report on Resolution **80 (Rev.WRC-07)** to WRC-23, the Board further developed the draft list of issues to be included in the Report and identified elements to be included in the Report for each of those issues. The Board also decided to submit a contribution to the 2022 Plenipotentiary Conference (PP-22) concerning new aspects relating to No. 48 of the Constitution that had emerged since WRC-19. | - |
| 13 | The RRB participation in Plenipotentiary Conference 2022 (PP-22) and the World Radiocommunication Seminar 2022 (WRS-22) | The Board, considering No. 141A of the Convention, decided that Ms L. JEANTY and Mr T. ALAMRI would represent the Board at the 2022 Plenipotentiary Conference (PP-22).  The Board also decided that the RRB would be represented at WRS-22 by Mr H. TALIB. | - |
| 14 | Confirmation of the date of the next meeting and indicative dates for future meetings | The Board confirmed the dates for the 90th meeting as 27 June–1 July 2022 in Room L.  The Board further tentatively confirmed the dates for its subsequent meetings in 2022 and 2023 as:  • 91st meeting: 31 October–4 November 2022 (Room L);  • 92nd meeting: 20–24 March 2023 (Room CCV Genève);  • 93rd meeting: 26 June–4 July 2023 (Room CCV Genève);  • 94th meeting: 16–20 October 2023 (Room CCV Genève). | - |
| 15 | Other business | - | - |
| 16 | Approval of the summary of decisions | The Board approved the summary of decisions as contained in Document RRB22-1/18. | - |
| 17 | Closure of the meeting | The meeting closed at 1600 hours on 18 March 2022. |  |

**ATTACHMENT**

**ADD**

# Rules concerning the simultaneous bringing into use or bringing back into use of multiple geostationary satellite networks with a single satellite[[1]](#footnote-1)

For operational purposes such as, for example, risk of collision, telemetry, tracking, and command operation, coordination agreement, etc., a satellite may have to shift a little from the notified nominal orbital position (including the ±0.1 degree tolerance for space stations on board geostationary satellites in the fixed-satellite service or broadcasting-satellite service) to provide the required services. In that particular instance, when requesting clarification under Nos. **11.44**, **11.44B**, **11.49** or **13.6** of the Radio Regulations on the bringing into use, bringing back into use or continuing use of the notified characteristics of a satellite network, the Board decided that the Bureau shall consider that a satellite located at no more than 0.5 degree of the notified longitude of the nominal position of the satellite network would be considered as fulfilling Nos. **11.44**, **11.44B**, **11.49** or **13.6** requirements, as appropriate, under the conditions that:

1. the space station is associated with one or more satellite network filings at one single orbital position,
2. the space station has the capability to maintain its position within the ±0.1 degree of its nominal positions,
3. no unacceptable interference be reported when the satellite’s excursion is exceeding this tolerance (up to maximum 0.5 degree), and
4. this operation does not cause more interference or require more protection than if the space station was operating within the ±0.1 degree tolerance of the notified orbital position.

In addition, the Board decided that the Bureau shall consider that a satellite located at no more than 0.5 degree from several notified nominal positions of satellite networks could be used for the bringing into use, bringing back into use or continuing use of the notified characteristics of frequency assignments of these satellite networks under Nos. **11.44**, **11.44B**, **11.49** or **13.6** only if the bandwidths of these frequency assignments do not overlap. Conditions 2 to 4 listed above also apply.

***Reasons:*** *To include in the Rules of Procedure the practice of the Bureau on the simultaneous bringing into use or bringing back into use of multiple geostationary satellite networks with a single satellite at one single orbital position reported to WRC-15 (see § 3.2.4.1 of Document CMR15/4(Add.2)(Rev.1)), while inserting the possibility for space stations on a single satellite located no more than 0.5° from several notified nominal positions of satellite networks to be used for bringing into use, bringing back into use or continuing use of frequency assignments with non-overlapping bandwidths of these satellite networks under RR Nos. 11.44, 11.44B, 11.49 or 13.6.*

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

# Rules concerning

**ARTICLE 11 of the RR**

**MOD**

**11.43A**

1 Modification of a space network may take place during the coordination process; this case is covered in the comments under the Rules of Procedure concerning Nos. **9.27** (§ 2), **9.58**, **11.28** and **11.32**.

2 If the modification concerns the notification of assignment(s) in frequency band(s) not covered by other assignment(s) already recorded in the Master Register, No. **11.43A** does not apply and it will be processed under No. **11.2** or **11.9**, as appropriate.

The purpose of the examination under No. **11.43A** is to determine whether the coordination requirements remained unchanged or, where appropriate, whether the probability of harmful interference has not increased (see also the Rules of Procedure concerning Nos. **11.28** and **11.32**). In these cases, the provisions of No. **11.43B** apply with the effect of maintaining unchanged the status (Findings) and the date of receipt of the assignment. If, due to the modifications, new coordination requirements are identified by comparing the level of interference (such as Δ*T*/*T* ) resulted from consideration of the initial characteristics and that of modified characteristics, then an unfavourable finding shall be given and the Form of Notice shall be returned to the notifying administration. The notifying administration should be requested to apply Section II of Article **9**. The findings with respect to No. **11.32** are determined on the basis of the coordination agreements effected to meet the new coordination requirements. In the case, where the provisions of Nos. **11.32A** and **11.33** are applicable and the exami­nations show an increase in the probability of harmful interference compared with that which resulted from the initial examination, then the finding is unfavourable and the notice shall be returned in accordance with provision No. **11.38**. See also the Rules of Procedure under No. **11.43B**.

(…)

[*Note: No modifications are proposed to §§ 3 to 6.*]

***Reasons:*** *In § 1, to correct the reference to the Rules of Procedure concerning Nos. 9.27. In § 2, to suppress the reference to the decision of WARC Orb-88 to exempt submissions of geostationary-satellite networks under No. 11.43A from the advance publication stage following the suppression by WRC-15 of this stage for systems subject to coordination.*

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

**MOD**

**11.43B**

1 This provision specifies that a change in the characteristics shall be examined when appropriate with respect to Nos. **11.32** to **11.34**, as appropriate.

1.1 In the case of the examination of space networks under No. **11.32** or **11.32A**, the comments under the Rules of Procedure concerning No. **11.43A** indicate the cases which should not be considered as modifications but as first notifications (with new date of receipt). These examinations should be carried out by checking the application of § 6 *a)* to 6 *c)* of Appendix **5** (See also §§ 2.3 and 2.4 c) of the Rules of Procedure concerning No. **9.27**). In cases where there is no calculation method and/or criteria to check the application of these provisions, the Bureau shall treat these modifications as new notifications of assignments. Number **11.43B** refers to an increase in the probability of harmful interference. The probability of harmful interference (*C*/*I* ) is calculated in the examination of Nos. **11.32A** and **11.33** only. The examination of No. **11.32** is made using the threshold/condition specified in Appendix **5**. When there are no technical criteria in the threshold/condition specified in Appendix **5**, Administrations may provide an analysis using appropriate calculation methods and/or criteria (including those developed in the ITU-R) to the Bureau for verification of the applicability of §§ 6 a) to 6 c) of Appendix **5** for the examination under No. **11.32**.

1.2 It should be noted that in the examination under No. **11.32A**, assignments published under No. **9.38** or **9.58** but not yet notified are also taken into account. Therefore, for practical reasons, in application of this provision, these assignments shall be also taken into account in addition to assignments already recorded in the Master Register.

2 This provision makes reference to the *“original date of entry in the Master Register”*. The Board considers this date to be the date of receipt of the original notice. However, with respect to the notices received prior to 1 January 1999, the Board considers this date equivalent to the date recorded in Column 2A, 2B, or 2D, as appropriate.

***Reasons:*** *To align the examination of modifications under No. 11.43B with the examination of modifications under No. 9.27.*

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

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1. See also the provisions of Annex 7 “Orbital position limitations” of Appendix **30** and Resolution **548 (Rev.WRC-12)** “Application of the grouping concept in Appendices **30** and **30A** in Regions 1 and 3” [↑](#footnote-ref-1)