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# ITU in service of space

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**Geneva, Switzerland**

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**Overview of the draft RRB  
Report on Resolution 80**

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**RRB Member, 2019-2022**



# Report by the Radio Regulations Board to WRC-23 on Resolution 80 (Rev.WRC-07)

- The Board's mandate under resolves 2 of Resolution 80 (Rev.WRC-07):

*Resolves 2 of Resolution 80 (Rev.WRC-07) includes the following instruction to the RRB:  
2 to instruct the RRB to consider and review possible draft recommendations and draft provisions linking the formal notification, coordination and registration procedures with the principles contained in Article 44 of the Constitution and No. 0.3 of the Preamble to the Radio Regulations, and to report to each future World Radiocommunication Conference with regard to this Resolution;*

# Issues and draft recommendations

- Issues related to the implementation of Resolution 559 (WRC-19)
- Linkage between BIU and notification for recording in the MIFR
- Issues related to the extension of time-limits for BIU or BBIU a frequency assignment
- Requests for a transfer or change of the “notifying administration” from one to the other
- Issues related to the Appendices 30/30A/30B Plans
- Difficulties affecting satellite network coordination
- Considerations related to harmful interference
- Application of CS Article 48
- The status of WRC decisions recorded in the minutes from a WRC
- Issues related to Resolution 40 (Rev. WRC-19)
- Issues related the BIU of non-geostationary-satellite networks
- Long-term sustainability and equitable access and rational use of the non-GSO orbit/spectrum resources
- Recording of frequency assignments under No. 4.4

# Issues related to the implementation of Resolution 559 (WRC-19)

- WRC-19 adopted Resolution **559** to provide Regions 1 and 3 administrations that are eligible for the special procedure described in that Resolution with the aim of replacing their degraded BSS frequency assignments in the BSS Plans in Regions 1 and 3.
- Submissions were received from 45 administrations out of the 55 eligible administrations in order to apply the Special Procedure of Resolution **559 (WRC-19)**
- In January 2023, [41] out of the 45 Res. **559** administrations had successfully submitted their Part B to the Bureau and they were published in April 2023. Due to lack of resources, [four] administrations had not yet started the coordination process with relevant administrations. The Bureau continued to assist these administrations.

**WRC-23 is invited to endorse the measures adopted by the Board and the Bureau to implement Resolution 559 (WRC-19).**

**WRC-23 is further invited to urge administrations with Part A submissions received before 22 May 2020 to make all efforts to accommodate Res. 559 submissions and to take into account the results of the Bureau's review when preparing their Part B submissions.**

**WRC-23 is also invited to encourage administrations to complete all of the remaining coordination cases.**

# Issues related to the extension of time-limits for BIU or BBIU a frequency assignment

*Situations of force majeure (COVID-19)*

**WRC-23 may wish to confirm that, as a minimum, the following information should be provided to facilitate the consideration of a request for extension of the regulatory time-limit due to *force majeure* by the Board:**

- **A summary description of the satellite to be launched, including the frequency bands;**
- **The name of the manufacturer selected to build the satellite and the contract signature date;**
- **The status of the satellite construction before the *force majeure* event, including the date it began and whether it was expected to be completed prior to the initial launch window;**
- **The name of the launch service provider and the contract signature date;**
- **The efforts and measures taken or envisaged to avoid missing the deadline, to overcome the difficulties faced and to reduce the project timelines, if possible, with supporting evidence by the satellite manufacturer and/or launch service provider as appropriate;**
- **The initial and revised project milestones for the construction, launch window, launch and orbit raising of the satellite, as well as relocation and in-orbit testing timelines when the satellite is not directly launched in its nominal orbital position or its non-geostationary satellite orbit;**
- **A detailed rationale for the length of the extension requested, including a breakdown of the nature and extent of the delay experienced so far, the additional delay projected by the manufacturer and launch service provider, and any planned contingency;**
- **Any other relevant information and documentation.**

**WRC-23 is also invited to confirm the Board's approach with respect to contingency periods in the determination of the length of an extension in cases of *force majeure* or co-passenger delay.**

**WRC-23 is invited to note that the Board is now examining how all four conditions of *force majeure* are met on a case-by-case basis when the COVID-19 pandemic is invoked as the *force majeure* event.**



# Issues related to the extension of time-limits for BIU or BBIU a frequency assignment

## *Situations of co-passenger delay*

**WRC-23 may wish to confirm that the following additional information should be provided to facilitate the consideration of a request for extension of the regulatory time-limits due to co-passenger delay:**

- **The initial and revised project milestones for the construction, launch window, launch and orbit raising of the satellite, as well as relocation and in-orbit testing timelines when the satellite is not directly launched in its nominal orbital position or its non-geostationary satellite orbit;**
- **A detailed rationale for the length of the extension requested, including a breakdown of the nature and extent of the delay experienced so far, the additional delay projected by the launch service provider, and any planned contingency.**

# Issues related to the extension of time-limits for BIU or BBIU a frequency assignment

*Compliance with the regulatory time-limits for space stations using electric propulsion*

**The Board continues to encourage administrations when using energy-efficient satellite propulsion systems to take into account the extra time needed for orbit raising to ensure compliance with the regulatory time-limits for bringing into use, or back into use, frequency assignments.**

*Requests from developing countries that do not qualify as force majeure or co-passenger delay*

**WRC-23 may wish to reiterate its invitation to the ITU-R to study the matter of requests for extensions of regulatory time limits from developing countries that do not qualify as cases of *force majeure* or co-passenger delay and to develop the specific criteria and conditions upon which the Board could consider granting an extension of the regulatory time-limit to a developing country for consideration at a future competent WRC.**

# Issues related to the Appendices 30/30A/30B Plans

## *Conversion of national allotments in Appendix 30B*

**WRC-23 is invited to consider modifications to Articles 6 and 8 of Appendix 30B that would specify a regulatory time-limit to bring into use frequency assignments converted from an allotment without any modification or with modification within the envelope of the characteristics of the allotment in Appendix 30B modifications only at the time of notification. This time-limit for bringing into use could be extended upon request from the notifying administration.**

## *Issues related to the Article 7 procedure of Appendix 30B*

**WRC-23 is invited to urge administrations with Part A submissions received before 12 March 2020 to make all efforts to accommodate Article 7 submissions of other administrations and to take into account the results of the analyses of the Bureau and the measures to avoid further degradation of the *C/I* levels when preparing their Part B submissions.**

**WRC-23 may wish to instruct the Bureau to analyse the reference situation for the additional seven countries and the State of Palestine which still have no allotment in the Appendix 30B Plan with a view to identify orbital resources.**

## *Long-term protection of the Plans*

**WRC-23 is invited to consider adopting measures to enhance the protection of the Regions 1 and 3 Appendices 30/30A BSS Plan frequency assignments and the Appendix 30B FSS allotments.**

## *Inability to resubmit Appendix 30B notice when returned by the Bureau*



# Difficulties affecting satellite network coordination

**The Board encourages administrations to complete frequency coordination before launching satellites. The Board wishes to remind administrations that the coordination process is a two-way process and that 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). In addition, for frequency assignments recorded under No. 11.41, the application of No. 11.42A should not precede or exclude seeking solutions through exhaustive coordination discussions.**

# Considerations related to harmful interference

*Considerations regarding the factors affecting the resolution of harmful interference*

**The Board recommends intensifying efforts to ensure that all members exercise the utmost goodwill and mutual respect and adhere to the instruments of the Union.**

**The Board expressed its grave concern regarding causing intentional harmful interference to the radiocommunication services of another administration and condemned such actions in the strictest terms, noting that such behaviour was in direct contravention of No. 15.1 of the Radio Regulations.**

*Difficulties in resolving issues of harmful interference resulting from non-conformity with the GE84 and GE06 Regional Agreements*

*International monitoring*

**The Board considers monitoring results obtained by recognized international monitoring stations using measurement techniques and technologies documented in the *ITU-R Handbook on Spectrum Monitoring* to be a valuable resource for addressing harmful interference.**

**WRC-23 is invited to note that the Board has requested the Bureau to initiate the use of international monitoring and appreciated its value on condition that administrations were willing to accept the results.**

# Application of CS Article 48

**The Board is of the view that with Resolution 216 (Bucharest, 2022), PP-22 has comprehensively covered the invitation from WRC-19 to address the questions raised at WRC-19 regarding the invocation of Article 48 of the ITU Constitution and that no further action by WRC-23 is necessary.**

# Issues related to Resolution 40 (Rev. WRC-19)

**To further limit spectrum reservation practices, WRC-23 is invited to request the ITU-R to study possible measures to restrain the use of the same satellite or different satellites to repeatedly bring into use and bring back into use the same frequency assignments of a satellite network or system for a short period of time only.**

# Long-term sustainability and equitable access and rational use of the non-GSO orbit/spectrum resources

**WRC-23 is invited to instruct the ITU-R to carry out studies to identify additional information requirements for non-GSO systems and to develop ITU-R recommendations and reports that address the long-term sustainability of the non-GSO and spectrum resources and the equitable access to those orbits and frequencies.**

**WRC-23 is also invited to remind administrations of Member States of their obligations to continue giving due consideration to the principles of the ITU Constitution, Convention, and Radio Regulations (in particular Article 44 of the Constitution) when developing national policies and regulations to authorize satellite networks or systems.**

# Recording of frequency assignments under No. 4.4

**WRC-23 is invited to confirm that frequency assignments to satellite networks and systems recorded under No. 4.4 are not entitled to protection from harmful interference amongst each other.**

**WRC-23 is invited to encourage administrations to avoid the use of No. 4.4 for commercial applications.**



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**Thank you for your  
attention!**

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