

SUMMARY OF DECISIONS
OF THE
76TH MEETING OF THE RADIO REGULATIONS BOARD

6 – 10 November 2017

Present:

Members, RRB

Mr I. KHAIROV, Chairman

Mr M. BESSI, Vice-Chairman

Mr N. AL HAMMADI, Mr D. Q. HOAN, Mr Y. ITO, Ms L. JEANTY,

Mr S. K. KIBE, Mr S. KOFFI, Mr A. MAGENTA, Mr V. STRELETS,

Mr R. L. TERÁN, Ms J. C. WILSON

Executive Secretary, RRB

Mr F. RANCY, Director, BR

Précis-Writers

Mr T. ELDRIDGE and Ms A. HADEN

Also present:

Mr M. MANIEWICZ, Deputy Director and Chief, IAP

Mr A. VALLET, Chief, SSD

Mr M. SAKAMOTO, Head, SSD/SSC

Mr J. WANG, Head, SSD/SNP

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

Mr A. FALOU DINE, SSD/SPR

Mr N. VASSILIEV, Chief, TSD

Mr B. BA, Head, TSD/TPR

Mr K. BOGENS, Head, TSD/FMD

Ms I. GHAZI, Head, TSD/BCD

Mr W. IJEH, BR Administrator

Mr D. BOTHA, SGD

Ms K. GOZAL, Administrative Secretary

Item No.	Subject	Action/decision and reasons	Follow-up
1	Opening of the meeting	<p>The Chairman, Mr I. KHAIROV, welcomed the members of the Board to the 76th meeting.</p> <p>The Director of the Radiocommunication Bureau, Mr F. RANCY, on behalf of the Secretary-General, Mr H. ZHAO, also welcomed the members of the Board to the meeting and, noting a busy agenda, wished them success in their work. The Director also introduced the newly appointed Chief, SSD, Mr A. VALLET.</p>	-
2	Adoption of the agenda (RRB17-3/OJ/1)(Rev.2)	The draft agenda was adopted with modifications as provided in Document RRB17-3/OJ/1(Rev.2). The Board agreed to include Documents RRB17-3/DELAYED/1 and RRB17-3/DELAYED/2 under agenda item 7.1 and Documents RRB17-3/DELAYED/3, RRB17-3/DELAYED/4 and RRB17-3/DELAYED/5 under agenda item 6.1, for information.	-
3	Report by the Director, BR (RRB17-3/2; RRB17-3/2(Add.1) RRB17-3/2(Add.2); RRB17-3/2(Add.2)(Add.1); RRB17-3/2(Add.3); RRB17-3/2(Add.4); RRB17-3/2(Add.5); RRB17-3/2(Add.6); RRB17-3/2(Add.7); RRB17-3/2(Add.8); RRB17-3/2(Add.8)(Add.1); RRB17-3/2(Add.9); RRB17-3/2(Add.10); RRB17-3/2(Add.10)(Add.1)(Rev.1); RRB17-3/2(Add.10)(Add.2); RRB17-3/2(Add.10)(Add.3))	<p>The Board thanked the Director of the Radiocommunication Bureau for the Report and information provided in Document RRB17-3/2 and its Addenda.</p> <p>a) In relation to §2 of Document RRB17-3/2 and RRB17-3/2(Add.7), the Board indicated its appreciation for the detailed analysis of the reasons for the delays in the processing time for various types of filings and the proposed measures to reduce them. The Board expressed concern regarding the continued delays in the processing time of filings, but also noted that such delays have been reduced in certain cases. The Board instructed the Bureau to continue to apply all measures, such as increasing human resources and developing relevant software, to reduce the processing time of filings to within the regulatory limits and to report on evolution of the situation to the Board.</p>	Bureau to report on evolution in reducing delays in processing filings.

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		<p>b) With reference to §4.2 of Document RRB17-3/2 and RRB17-3/2(Add.3), the Board indicated its appreciation to the Bureau and the Legal Adviser for the analysis on the application of the GE-84 Regional Agreement and the Board endorsed it. The Board concluded that Document RRB17-3/2(Add.3) would serve as an important reference and instructed the Bureau to publish a generalised version under the “Special Topics” section of the RRB website.</p> <hr/> <p>c) Concerning the case of harmful interference to broadcasting stations in the VHF/UHF bands between Italy and its neighbouring countries as addressed in §4.2 of Document RRB17-3/2, RRB17-3/2(Add.4), RRB17-3/2(Add.5) and RRB17-3/2(Add.6), the Board noted with satisfaction the efforts made by the Bureau and the administrations, and in particular the multilateral meeting that had been convened and its outcome. The Board also noted with satisfaction the progress made at the meeting and the commitment of the Administration of Italy to continue solving FM harmful interference and to develop a regulatory framework for a T-DAB plan for VHF Band III with a view to migrate certain non-conforming FM stations to Band III in the future. The Board urged administrations to pursue all efforts in order to resolve cases of harmful interference as soon as possible and to participate in future multilateral meetings. The Board further urged the Administration of Italy :</p> <ul style="list-style-type: none"> - to continue to convene bilateral meetings especially with Croatia and Slovenia, and to work with all administrations involved to resolve remaining harmful interference problems; 	<p>Bureau to publish a generalised version of RRB17-3/2(Add.3) under “Special Topics” of the RRB website</p> <hr/> <p>Bureau to convene multilateral meetings, as necessary, and report on progress</p>

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		<p>- to continue updating the roadmap, if more details are provided, especially planned actions concerning the priority lists;</p> <p>- to establish a timeline and action plan concerning the T-DAB and FM national Plans;</p> <p>- to inform about any update(s) to the broadcasting law.</p> <p>The Board instructed the Bureau to continue to convene multilateral meetings, as necessary, and report on progress.</p> <hr/> <p>d) The Board thanked the Bureau and the Legal Adviser for the detailed analysis and the preliminary draft Rules of Procedure on RR Nos. 4.4 and 9.2B as provided in Document RRB17-3/2(Add.2). In considering the preliminary draft Rule of Procedure, the Board reaffirmed the following principles that should prevail in the application of RR No. 4.4:</p> <ul style="list-style-type: none"> • the obligation on administrations to notify their assignments in the application of RR No. 4.4; • the obligation on administrations to immediately eliminate harmful interference should it occur. <p>The Board requested the Bureau to provide, for its 77th meeting, an analysis of the history of RR No. 4.4 and its application, as well as an updated preliminary draft Rule of Procedure on this provision, so that the procedure of consultation of administrations on a draft Rule of Procedure can be initiated thereafter.</p> <hr/> <p>e) In considering §§8.1 to 8.4 of Document RRB17-3/2 on the application of Resolution 85 (WRC-03), the Board took note of the various efforts of</p>	<p>Bureau to prepare an updated preliminary draft Rule of Procedure.</p> <p>Bureau to prepare an analysis of the history of RR No. 4.4 and its application.</p> <p>Bureau to report on progress in relation</p>

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		<p>the Bureau to process filings and review findings of frequency assignments to non-GSO FSS satellite systems. The Board instructed the Bureau to continue with the implementation of the proposed measures to expedite the treatment of the filings and to report on progress in these efforts. These measures include, where necessary, performing a two-stage publication of the administrations affected pursuant to RR No. 9.7B, in order to avoid delaying the whole process.</p> <hr/> <p>f) In relation to the cost recovery model as proposed in Document RRB17-3/2(Add.8) and the comments from ITU-R Working Parties 4A, 4C, 7B and 7C as contained in Document RRB17-3/2(Add.8)(Add.1), the Board noted that although this matter is within the responsibilities of the Council, the cost recovery model has an impact on the process of the examination and treatment of filings. The Board observed that modifications to the cost recovery model should:</p> <ul style="list-style-type: none"> • Be simple and understandable; • Be fully transparent and properly reflect the use of the resources by the Bureau; • Not affect smaller or simpler systems, in particular when they are not subject to coordination or epfd limits. <p>The Board encouraged the Bureau to provide:</p> <ul style="list-style-type: none"> • Projections on what the application of the new model would lead to, compared with the current model; • A comparison of current and estimated future costs (staff and software). 	<p>to non-GSO FSS systems under Res. 85 (WRC-03).</p>

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		<p>The Board further observed that the cost ceiling in the current model was equivalent to having a flat fee for more complex satellite networks, irrespective of their complexity and the amount of effort required for their examination and treatment. The Board encouraged the Bureau to continue to develop the model in consultation with the relevant ITU-R working parties before submitting it to the Council for consideration.</p>	
		<p>g) The Board noted the information provided in Document RRB17-3/2(Add.1) on the budget. The Board expressed its concern on the reductions in the budget for 2018 and 2019, noting that WRC-19 and its preparation will take place during this period, and that the new composition of the Board as from 2019 may entail additional travelling, translation and interpretation costs.</p>	
		<p>h) The Board noted the information provided in §9 of Document RRB17-3/2 concerning the bringing into use of the frequency assignments in the bands 19 700 – 19 878 MHz and 29 500 – 29 678 MHz to the F-SAT-N-E-33E satellite network under RR No. 11.44B (WRC-12). Having taken due consideration of the fact that RR No. 11.44B (WRC-12) did not provide guidance for such cases, an issue that was subsequently addressed by WRC-15, and further noting the fact that the decision did not affect satellite networks of other administrations, the Board noted the decision of the Bureau.</p>	

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4	Rules of Procedure	<p>i) The Board also noted the information provided in §10 of Document RRB17-3/2 on the reinstatement of frequency assignments to the NIGCOMSAT-1R satellite network, as well as the particular situation involving the Turkish satellite network at 42°E. Taking further note of the fact that the satellite is operational and provides essential communication services to developing countries, the Board noted the decision of the Bureau on this matter. The Board encouraged the Administrations of Nigeria and Turkey to continue their coordination efforts.</p>	
4.1	List of Rules of Procedure (RRB17-3/1; RRB16-2/3(Rev.6))	Based on information provided by the Bureau, the Board decided to update the List of proposed Rules of Procedure in Document RRB17-3/1 (RRB16-2/3(Rev.6)).	Executive Secretary to publish the updated List of proposed Rules of Procedure on the website.
4.2	Draft Rules of Procedure to reflect the changes in Appendix 17 to the Radio Regulations (CCRR/59)	The Board discussed in detail the draft Rules of Procedure circulated to administrations in Circular Letter CCRR/59, along with comments received from administrations (Document RRB17-3/5). The Board adopted the Rules of Procedure as contained in Annex 1 to this summary of decision, without modification.	Executive Secretary to update the Rules of Procedure accordingly.

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4.3	Comments from Administrations (RRB17-3/5)	-	-
5	Iridium satellite system (HIBLEO-2) interference to the radio astronomy service	-	-
5.1	Submission by the Administrations of Italy, Latvia, Lithuania, the Netherlands, Spain and Switzerland concerning the Iridium satellite system (HIBLEO-2) causing harmful interference to the radio astronomy service in the frequency band 1 610.6 - 1 613.8 MHz (RRB17-3/3)	The Board carefully considered §4.3 of Document RRB17-3/2 and the submissions from the Administrations of Italy, Latvia, Lithuania, the Netherlands, Spain and Switzerland as contained in Document RRB17-3/3 and the Administration of the United States as contained in Document RRB17-3/8. The Board noted with satisfaction the continued dialogue and cooperation between the administrations on this matter and urged them to continue these efforts and to share the measurement results. Furthermore, the Board invited the administrations to report on any progress and instructed the Bureau to provide the necessary assistance to administrations.	Executive Secretary to communicate these decisions to the administrations concerned.
5.2	Submission from the Administration of the United States in response to Document RRB17-3/3, "Submission by the Administrations of Italy, Latvia, Lithuania, the Netherlands, Spain and Switzerland concerning the IRIDIUM satellite system (HIBLEO-2) causing harmful interference to the radio astronomy service in the frequency band 1 610.6-1 613.8 MHz" (RRB17-3/8)		Bureau to provide assistance to administrations

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6	Requests for change of the notifying administration	-	-
6.1	Submission by the Administration of Qatar regarding a change of notifying administration for the ESHAILSAT-26E-2 and ESHAILSAT-26E-3 satellite networks (RRB17-3/4 ; RRB17-3/DELAYED/3 ; RRB17-3/DELAYED/4 ; RRB17-3/DELAYED/5)	<p>The Board considered the request from the Administration of Qatar as provided in Document RRB17-3/4 and considered Documents RRB17-3/DELAYED/3, RRB17-3/DELAYED/4 and RRB17-3/DELAYED/5 for information. The Board indicated that requests for the change of the notifying administration, including the transfer of rights from a group of administrations to one of them, have been considered on a case-by-case basis and on the basis of a written agreement without conditions on behalf of the Member States involved under the terms of its constitutive Act.</p> <p>On the basis of the above considerations, the Board decided not to accede under current conditions to the request for a change of the code of the notifying administration for the ESHAILSAT-26E-2 and ESHAILSAT-26E-3 satellite networks. However, a new request could be submitted to the Board for a decision, should appropriate conditions be presented.</p>	Executive Secretary to communicate this decision to the administrations concerned.
7	Requests for extension of the date of bringing into use of frequency assignments	-	-
7.1	Submission by the Administration of India requesting an extension of the date of bringing into use of frequency assignments to the INSAT-EXK82.5E satellite network (RRB17-3/6 ; RRB17-3/DELAYED/1 ; RRB17-3/DELAYED/2)	The Board carefully considered Document RRB17-3/6 and further considered Documents RRB17-3/DELAYED/1 and RRB17-3/DELAYED/2 for information as provided by the Administration of India. The Board took note of the efforts that the Administration of India had made to comply with the provisions of the Radio Regulations and that a satellite is currently operational in conformity with the technical characteristics of the INSAT-EXK82.5E satellite network. After thorough examination of all the	Executive Secretary to communicate this decision to the administration concerned. Bureau to continue to take into account

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		<p>information provided, the Board concluded that the facts of this case did not meet the requirements for a situation of <i>force majeure</i> and that the Board could not accede to the appeal of the Administration of India on the decision of the Bureau to suppress the frequency assignments to the INSAT-EXK82.5E satellite network. However, the Board instructed the Bureau to continue to take into account the frequency assignments to the INSAT-EXK82.5E satellite network until the end of WRC-19 without taking any subsequent actions in relation to this satellite network, thus not foreclosing the possibility for this decision to be appealed to WRC-19.</p>	<p>the frequency assignments to the INSAT-EXK82.5E satellite network until the end of WRC-19.</p>
<p>7.2</p>	<p>Submission by the Administration of Indonesia requesting an extension of the regulatory period for the bringing into use of the frequency assignments to the PALAPA-C4-K satellite network (RRB17-3/7)</p>	<p>The Board considered the request from the Administration of Indonesia as contained in Document RRB17-3/7. The Board noted that there is an operational satellite with the technical characteristics of the PALAPA-C4-K satellite network at the time of considering this request and that Indonesia has a geographical composition of its territories to which telecommunication services can be provided economically only via satellite telecommunication services. After careful examination of the information provided, the Board concluded that the facts of this case did not meet the requirements for a situation of <i>force majeure</i> or of co-passenger delay and therefore it was not in its authority to grant an extension of the regulatory period for the bringing into use of the frequency assignments to the PALAPA-C4-K satellite network. Consequently, the Board was not able to accede to the request from the Administration of Indonesia. However, the Board instructed the Bureau to continue to take into account the frequency assignments to the PALAPA-C4-K satellite network until the end of WRC-19, thus not foreclosing the possibility for this decision to be appealed to WRC-19.</p>	<p>Executive Secretary to communicate this decision to the administration concerned.</p> <p>Bureau to continue to take into account the frequency assignments to the PALAPA-C4-K satellite network until the end of WRC-19.</p>

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7.3	Submission by the Administration of China requesting an extension of the regulatory deadline for the bringing into use of the frequency assignments to the CHINASAT-DL5 satellite network (RRB17-3/9)	The Board considered the request from the Administration of China as contained in Document RRB17-3/9 and expressed its sympathy to the Administration of China on the loss of the CHINASAT-DL5 satellite due to launch failure. After thorough consideration of the information provided, the Board concluded that the facts of the case met all conditions to qualify as a situation of <i>force majeure</i> . The Board further recognised that the Administration of China had provided the information required under Resolution 49(Rev.WRC-15) and that the request for extension of the regulatory deadline was for a limited and defined period. Consequently, the Board decided to accede to the request from the Administration of China to extend the regulatory deadline for the bringing into use of the frequency assignments to the CHINASAT-DL5 satellite network in the 10.95 - 11.2 GHz, 20.1 - 21.2 GHz and 29.9 - 31.0 GHz frequency bands until 31 December 2019.	Executive Secretary will communicate this decision to the administration concerned.
8	Election of the Chairman and Vice-Chairman for 2018	<p>Having regard to No. 144 of the ITU Convention, the Board agreed that Mr M. BESSI, Vice-Chairman of the Board for 2017, would serve as its Chairman in 2018.</p> <p>The Board agreed to elect Ms J. WILSON as its Vice-Chairman for 2018.</p> <p>The Board also agreed to elect Ms L. JEANTY as Chairman of the Working Group on Rules of Procedure.</p>	-
9	Confirmation of the next meeting for 2018, and consideration of tentative meeting schedule for 2018	<p>The Board confirmed the dates for the 77th meeting as 19 - 23 March 2018 in Room L and further tentatively confirmed the dates for the second meeting in 2018 as follows:</p> <p>78th meeting: 16 - 20 July 2018</p>	-

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		<p>The Board also tentatively confirmed the dates for the third meeting in 2018 as follows:</p> <p>79th meeting: 26 - 30 November 2018</p>	
10	Any other business	The Board noted the progress of the work carried out by Ms J. WILSON in the development of the draft Report on Resolution 80 (Rev. WRC-07) .	-
11	Approval of the Summary of Decisions (RRB17-3/10)	The Board approved the summary of decisions as contained in Document RRB17-3/10.	-
12	Closure of the meeting	The meeting closed at 11h59 hours.	-

ANNEX 1
**Rules concerning
ARTICLE 11 of the RR**

MOD

11.14

1 This provision stipulates, *inter alia*, that frequency assignments to ship stations and to mobile stations of other services shall not be notified under Article 11. On the other hand, the provisions of No. 11.2 stipulate the conditions under which receiving stations are to be notified to the Bureau. Similarly, the provisions of No. 11.9 stipulate the conditions under which a land station for reception from mobile stations is to be notified to the Bureau. In combining the conditions of all these provisions, the Board concluded that the following categories are not to be notified to the Bureau:

- Worldwide frequencies for use by ship and coast SSB radiotelephone stations by simplex (single-frequency) operation and for intership cross-band (two-frequency) operation (frequencies indicated in Part B, Section I, Sub-Section B of Appendix 17);
- ~~- Worldwide working frequencies for ship stations equipped for wideband telegraphy, facsimile and special transmission systems (frequencies indicated in Part A of Appendix 17);~~
- Worldwide working frequencies for ship stations equipped for NBDP telegraphy and data transmission systems on a non-paired basis (frequencies indicated in Part B, Section III of Appendix 17);
- ~~- Ship calling frequencies using A1A Morse telegraphy (frequencies indicated in Part B, Section IV of Appendix 17);~~
- ~~- Ship working frequencies using A1A Morse telegraphy (frequencies indicated in Part B, Section V of Appendix 17).~~

2 If the frequencies referred to in § 1 above are used by other services and/or for purposes other than those specified in the Radio Regulations, they should be notified under the relevant provisions of Article 11 and in some cases under the provisions of No. 4.4.

3 Bearing in mind that all communications in the aeronautical mobile (R) and (OR) services in the HF exclusive bands are made in a single frequency simplex mode of operation, the use of the relevant frequency is adequately covered through the notification of the transmitting aeronautical station and the notification of the associated receiving station (for reception of the transmissions from aircraft stations) is not necessary. Therefore, the Board instructed the Bureau not to accept any frequency assignment notice related to a receiving aeronautical station in the bands governed by Appendices 26 and 27.

Reasons:

WRC-12 approved the revision of Appendix 17 that entered into force on 1 January 2017, see Annex 2 to Appendix 17.

The current version of Appendix 17 no longer contains the three categories of frequencies, shown above as deleted, which were previously designated only for ship station transmissions and therefore had not to be notified. The three categories in question have been replaced by data transmissions from both coast and ship stations. Consequently, these frequencies can be notified pursuant to the provisions of No. 11.2 and should be removed from the Rule of Procedure on No. 11.14.