Radio Regulations Board Geneva, 18 - 22 March 2019



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SUMMARY OF DECISIONS OF THE 80TH MEETING OF THE RADIO REGULATIONS BOARD

18 - 22 March 2019

<u>Present</u>: <u>Members, RRB</u>

Ms L. JEANTY, Chairman

Ms C. BEAUMIER, Vice-Chairman

Mr T. ALAMRI, Mr E. AZZOUZ, Mr L. F. BORJÓN FIGUEROA, Ms S. HASANOVA,

Mr A. HASHIMOTO, Mr Y. HENRI, Mr D. Q. HOAN, Mr S. M. MCHUNU,

Mr H. TALIB, Mr. N. VARLAMOV

Executive Secretary, RRB

Mr M. MANIEWICZ, Director, BR

Précis-Writers

Mr T. ELDRIDGE and Ms S. MUTTI

Also present: Mr A. GUILLOT, ITU Legal Adviser

Mr A. VALLET, Chief, SSD Mr C.C. LOO, Head, SSD/SPR

Mr J. CICCOROSSI, acting Head, SSD/SSC

Mr J. WANG, Head, SSD/SNP Mr N. VASSILIEV, Chief, TSD Mr K. BOGENS, Head TSD/FMD Ms I. GHAZI, Head TSD/BCD Mr E. SESTACOV, TSD/BCD Mr B. BA, Head, TSD/TPR Mr W. IJEH, BR Administrator

Mr D. BOTHA, SGD

Ms K. GOZAL, Administrative Secretary

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Item No.	Subject	Action/decision and reasons	Follow-up
1	Opening of the meeting	The interim Chairman, Ms L. JEANTY, welcomed the members of the Board to the 80 th meeting, congratulating the new members on their election as members of the Board and the Director of the Radiocommunication Bureau on his election. 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 and also expressed his congratulations to the new members of the Board on their election.	-
2	Election of the chairman and vice- chairman for 2019	In conformity with CV 144, the Board decided to elect Ms L. JEANTY as Chairman and Ms C. BEAUMIER as Vice-Chairman of the Board for 2019. The Board further elected Mr Y. HENRI as Chairman and Mr T. ALAMRI as Vice-Chairman of the Working Group on Rules of Procedure, and Ms C. BEAUMIER as Chairman and Mr H. TALIB as Vice-Chairman of the Working Group on the Report on Resolution 80.	-
3	Adoption of the agenda RRB19-1/OJ/1(Rev.1)	The draft agenda was adopted with modifications as provided in Document RRB19-1/OJ/1(Rev.1). The Board agreed to include Documents RRB19-1/DELAYED/3 under agenda item 4, RRB19-1/DELAYED/5 under agenda item 7.1, RRB19-1/DELAYED/2 and RRB19-1/DELAYED/6 under agenda item 7.2, and RRB19-1/DELAYED/1 and RRB19-1/DELAYED/4 under agenda item 9 for information.	-
4	Report by the Director, BR RRB19-1/4; RRB19-1/4(Add.1); RRB19-1/4(Add.2); RRB19-1/4(Add.3); RRB19-1/4(Add.4); RRB19-1/4(Add.5); RRB19-1/DELAYED/3	The Board considered in detail the Report of the Director of the Radiocommunication Bureau, as contained in Document RRB19-1/4 and its addenda, and thanked the Bureau for the extensive and detailed information provided.	-
		 a) In relation to § 2 of Document RRB19-1/4, the Board: Noted with appreciation the continued efforts from the Bureau to reduce the treatment time of satellite network filings and that, with the exception the treatment of filings under 	Bureau to continue efforts to reduce the treatment time for satellite network filings.

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		Appendix 30B, the regulatory time limits for the treatment of satellite network filings have been observed in all cases. • Also noted that a number of stations, located in some disputed territories or having a coordination contour overlapping disputed territories, were kept in abeyance and this delay had an impact on the statistics for the treatment time of submissions of stations under Article 11. The Board considered that more information would be required in order to decide whether the Board would be able to provide guidance on this matter. The Board decided to instruct the Bureau to: • Continue efforts to observe the regulatory deadlines for the processing of filings for satellite networks, and to apply further efforts to reduce the treatment time of filings under Appendix 30B; • Provide additional information at the 81st meeting of the Board on submissions under Article 11 of stations located in disputed territories or having a coordination contour overlapping disputed territories. The information should be of a conceptual nature, cases should be reported in a general manner and any actions that the Bureau had taken should also be included.	Bureau to provide information on submissions under Article 11 of stations located in disputed territories or having a coordination contour overlapping disputed territories. This information should be of a conceptual nature, cases should be reported in a general manner and any actions that the Bureau had taken should also be included.
		b) In relation to § 2.1 of Document RRB19-1/4, the Board noted with satisfaction that the application "e-Submission of Satellite Network Filings" had been successfully implemented in response to Resolution 908 (Rev.WRC-15) and that only one administration had reported difficulties. The Board instructed the Bureau to continue to assist administrations in the use of the application "e-Submission of Satellite Network Filings".	Bureau to assist administrations in the submission of electronic satellite network filings.
		c) The Board noted the information provided in § 3 of Document RRB19-1/4.	-

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		d) The Board noted the information provided in § 4.1 of Document RRB19-1/4. With regard to the statistics on reports of harmful interference, the Board expressed an interest in receiving information on the number of cases solved, where possible. The Board also noted that it was difficult for the Bureau to present such figures, since administrations rarely reported back on resolved cases of interference.	-
		e) In considering § 4.2 of Document RRB19-1/4 and its Addenda 1 to 4, the Board noted with concern the continued cases of harmful interference from the television and sound broadcasting stations of Italy to its neighbouring countries and that little progress has been made since the 79 th meeting of the Board. The Board reiterated its request to the Administration of Italy to comply with the GE06 Regional Agreement for digital sound broadcasting. The Board further noted with satisfaction that the Bureau had published on the ITU website the list of priority FM sound broadcasting stations of neighbouring countries of Italy for which harmful interference must be mitigated. The Board encouraged the administrations concerned to provide the Bureau with any updates to the list and instructed the Bureau to update the list accordingly, indicating any progress and resolved cases when possible. The Board decided to further instruct the Bureau to continue to assist the administrations concerned in biand multilateral meetings, which may include technical assistance when appropriate.	Bureau to continue to update the list of priority FM sound broadcasting stations and to assist administrations in biand multilateral meetings.
		f) The Board noted the information provided with clarification in § 5 of Document RRB19-1/4.	-
		g) After consideration of the information as provided in the report from the Bureau on the Council work on cost recovery in § 6 of Document RRB19-1/4, the Board reached the same conclusion as the Bureau that there was no need for new or modified rules of procedure to facilitate the work of the Bureau and reduce its tasks. The Board decided that	-

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		there was no additional information relating to cost recovery to report to the Council Expert Group.	
		h) The Board noted the information provided in § 7 of Document RRB19- 1/4 on the review of findings for frequency assignments to non-GSO FSS satellite systems under Resolution 85 (WRC-03) .	-
		i) The Board considered § 8 of Document RRB19-1/4 on the complex and important aspect of the class-of-station symbols used for stations in the space operation service or providing space operation functions. The Board concluded that, based on the information provided, it was not yet in a position to propose appropriate guidance on the understanding on which basis a modification to the rule of procedure on RR No. 1.23 should be developed. Consequently, the Board decided to instruct the Bureau to provide further analysis on the matter to the 81 st meeting of the Board. This analysis should be provided on a band-by-band basis, including the history and the manner in which the Bureau had treated the various cases.	Bureau to provide analysis, history and manner of treatment of classes of stations in the space operation service or providing space operation functions.
		j) The Board considered the information provided in § 9 of Document RRB19-1/4 on the need to update the rule of procedure on RR No. 11.31 as a result of the adoption of RR No. 22.40 by WRC-15. The Board concluded that it was necessary to update the rule of procedure on RR No. 11.31 and instructed the Bureau to prepare a draft rule of procedure and to circulate it to administrations for comments and consideration at the 81 st meeting of the Board.	Bureau to prepare draft rule of procedure and circulate it to administrations for comments.
		k) The Board considered the information provided on the use of items A.1.f.2 and A.1.f.3 of Annex 2 to Appendix 4 and their relation to RR No. 9.6.1 as provided in § 10 of Document RRB19-1/4. In relation to the request from the Administration of Norway, the Board noted that there was no provision in the Radio Regulations, Rules of Procedure, Constitution and Convention that defined "secondary notifying administration". The Board considered that several aspects relating to	Bureau to report on the use of the items A.1.f.2 and A.1.f.3 and current practice to the 81 st meeting of the Board.

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		items A.1.f.2 and A.1.f.3 needed clarification. Consequently, the Board decided to instruct the Bureau to report on these aspects together with its current practice to the 81 st meeting of the Board at which time the Board would consider the necessary actions to be taken.		
		I) The Board took note of § 11 of Document RRB19-1/4 on the coordination status between the Administrations of Malta and Papua New Guinea with respect to the frequency assignments to the AFRISAT 3W-PKU satellite network and considered Document RRB19-1/DELAYED/3 for information. The Board concluded that the Bureau had acted correctly in this regard.	Executive Secretary will communicate these decisions to the administrations concerned.	
		m) The Board took note of § 12 of Document RRB19-1/4 on the bringing back into use of some frequency assignments to the LUX-30B-6 and LUX-30B-G4-23.5E satellite networks and the decision taken by the Bureau. The Board also noted that Bureau was not required by the Radio Regulations to send reminders to administrations on the confirmation of the bringing back into use of suspended frequency assignments to satellite networks.	-	
		n) The Board took note of § 13 of Document RRB19-1/4 on the resubmission of notified frequency assignments to the USGOVSAT-16R satellite network and the decision of the Bureau taken in this regard. The Board further noted that the Bureau was also not required by the Radio Regulations to send reminders to administrations on the resubmission of notified frequency assignments under RR No. 11.46.	-	
5	Rules of Procedure			
5.1	List of rules of procedure RRB19-1/1; RRB16-2/3(Rev.10)	Following a meeting of the Working Group on the Rules of Procedure, the Board decided to update the list of proposed rules of procedure in	Executive Secretary to publish the updated list of proposed rules of	

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		Document RRB19-1/1 (RRB16 2/3(Rev.10)) taking into account the proposals by the Bureau for the revision of certain rules of procedure.	procedure on the ITU website.	
5.2	Draft rules of procedure CCRR/61	The Board discussed the draft rule of procedure circulated to administrations in Circular Letter CCRR/61, along with one comment received from one administration, as contained in Document RRB19-1/5.	Executive Secretary to update and publish the Rules of Procedure	
5.3	Comments from administrations RRB19-1/5	The Board adopted the rule of procedure with modifications as contained in Annex 1 to this summary of decisions.	accordingly.	
6	Status of the DBL-G5-28.5E satellite netwo	rk		
6.1	Submission by the Administration of Luxembourg regarding the submission of the information related to the DBL-G5-28.5E satellite network under Articles 4 and 5 of Appendix 30A and Resolution 49 (Rev. WRC 15) of the Radio Regulations RRB19-1/3	 Administration of Luxembourg on the submission of the information related to the DBL-G5-28.5E satellite network. The Board noted that: The Administration of Luxembourg, in applying the "e-Submission of Satellite Network Filings" software, failed to send all required information on time, but was not able to verify the information received by the Bureau despite having received an acknowledgment of receipt, given its generic nature; The Administration of Luxembourg had taken measures to ensure that this issue would not reoccur; A satellite was operational in conformity with the technical 	Executive Secretary will communicate these decisions to the administration concerned. Bureau to accept the Part B submission and notification of the uplink information for the DBL-G5-28.5E satellite network and to continue to process the filing.	
	Further submission by the Administration of Luxembourg regarding the submission of the information related to the DBL-G5-28.5E satellite network under Articles 4 and 5 of Appendix 30A and Resolution 49 (Rev.WRC.15) of the Radio Regulations RRB19-1/7			

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Item No.	Subject	Action/decision and reasons	Follow-up
7	Requests for the cancellation of frequency	assignments to satellite networks	
7.1	Submission by the Administration of France requesting the suppression of the frequency assignments to the Greek satellite network HELLAS-SAT-2G at 39ºE in the frequency bands 17.7-19.7 GHz, 20.2-21.2 GHz, 27.5-29.5 GHz and 30-31 GHz RRB19-1/10; RRB19-1/DELAYED/5	 The Board considered Document RRB19-1/10 and noted Document RRB19-1/DELAYED/5 for information. The Board confirmed that Document RRB19-1/10 was received before the regulatory limit for submissions. The Board further considered that: The suppression of frequency assignments was a sensitive matter and should be considered very carefully according to the relevant provisions of the Radio Regulations; The submission from the Administration of France referred to the initial bringing into use period from 18 October 2013 to 18 January 2014 only; The Administration of Greece had invoked CS Article 48 for the frequency assignments to the HELLAS-SAT-2G satellite network in the frequency bands 20.2-21.2 GHz and 30-31 GHz during the bringing back into use of these frequency assignments in 2016; The normal procedure for such cases would be for administrations to request the Bureau to perform an investigation under RR No. 13.6 before reporting the matter to the Board, if an administration disagrees with the conclusions of the Bureau. The Board noted that a satellite had been launched on 5 February 2019 to implement the HELLAS-SAT-2G satellite network at 39°E, but considered that this fact as such should not be a reason to disregard the applicable provisions of the Radio Regulations. Consequently, the Board decided that it was not yet in a position to take a decision on this matter, and therefore the Board instructed the Bureau to: Perform an investigation on this case under RR No. 13.6 and report the outcome to the 81st Board meeting; 	Executive Secretary will communicate these decisions to the administrations concerned. Bureau to perform investigation under RR No. 13.6 and report to 81st Board meeting. Bureau to convene a coordination meeting(s) between the Administrations of France and Greece. Bureau to investigate the use of one satellite to bring into use several satellite networks under Res. 40 (WRC-15) and report to the 81st Board meeting.

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		 Convene a coordination meeting(s) with the Administrations of France and Greece. The Board further noted the use of one satellite to bring into use several satellite networks and instructed the Bureau to investigate this practice under Resolution 40 (WRC-15) and to report the outcome to its 81st meeting. 			
7.2	Submission by the Administration of the United Kingdom of Great Britain and Northern Ireland requesting the suppression of the frequency assignments to the ARABSAT-KA-30.5E, ARABSAT 5A-30.5E and ARABSAT 7A-30.5E satellite networks in the ranges 17 700-22 000 MHz and 27 500-30 000 MHz RRB19-1/11; RRB19-1/DELAYED/2; RRB19-1/DELAYED/6	 The Board considered Document RRB19-1/11 and noted Documents RRB19-1/DELAYED/2 and RRB19-1/DELAYED/6 for information. The Board noted that: The Administration of the United Kingdom had previously requested the Bureau to perform an investigation under RR No. 13.6, which concluded that all frequency assignments had been brought into use; The Administration of Saudi Arabia had invoked CS Article 48 with respect to the use of the frequency assignments to the satellite networks, however all the required information under the provisions of the Radio Regulations had been provided. Consequently, the Board decided not to take any decision at this stage on the status of the contested ARABSAT frequency assignments and to instruct the Bureau to organise as soon as possible, taking into account the immenent launch of the ARABSAT-6A satellite, a coordination meeting between the Administrations of Saudi Arabia and the United Kingdom and encouraged these administrations to observe the rules of procedure on RR No. 9.6 and coordinate in goodwill. The Board instructed the Bureau to report to the 81st meeting of the Board the progress on this matter. 	Executive Secretary will communicate these decisions to the administrations concerned. Bureau to convene as soon as possible a coordination meeting between the Administrations of Saudi Arabia and the United Kingdom. Bureau to report to the 81st meeting of the Board the progress on this matter.		
8	Requests relating to extensions of the regulatory time-limit to bring back into use satellite network frequency assignments				
8.1	Submission by the Administration of Cyprus requesting an extension of the regulatory time-limit to bring back into	The Board considered the submission from the Administration of Cyprus provided in Document RRB19-1/6. The Board further considered the	Executive Secretary will communicate these decisions to the		

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	use the frequency assignments to the KYPROS-SAT-5 (39ºE) and KYPROS-SAT-3 (39ºE) satellite networks RRB19-1/6	decision of the Board at its 78 th meeting concerning the bringing into use of the KYPROS-SAT-3 (39°E) satellite network. Based on the information provided the Board concluded that the situation concerning the KYPROS-SAT-5 (39°E) satellite network qualified to be considered as a case of co-passenger delay. Consequently, the Board decided to accede to the request from the Administration of Cyprus to extend the regulatory time-limit to bring back into use the frequency assignments to the KYPROS-SAT-5 (39°E) satellite network until 6 October 2019. However, based on its decision at its 78 th meeting and concerning the frequency assignment to the KYPROS-SAT-3 (39°E) satellite network, the Board was not able to accede to the request from the Administration of Cyprus. Furthermore, the Board decided to instruct the Bureau to continue implementing the decision from the 78 th Board meeting and to report this case also to WRC-19 for a decision. The Board observed that should WRC-19 decide favourably on the request presented at the 78 th Board meeting, WRC-19 might consider a similar extension of the regulatory time-limit to bring back into use the frequency assignments to the KYPROS-SAT-3 (39°E) satellite network. The Board indicated that it would have appreciated more detailed clarifications on the length of the requested extension period.	administration concerned. Director to report the case to WRC-19.
8.2	Submission by the Administration of Greece requesting an extension of the regulatory time-limit to bring back into use the frequency assignments to the HELLAS-SAT-2G (39ºE) and HELLAS-SAT-3G (39ºE) satellite networks RRB19-1/8	The Board considered the submission from the Administration of Greece provided in Document RRB19-1/8. Based on the information provided the Board concluded that the situation qualified to be considered as a case of co-passenger delay. Consequently, the Board decided to accede to the request from the Administration of Greece to extend the regulatory timelimit to bring back into use the frequency assignments to the HELLAS-SAT-2G (39ºE) and HELLAS-SAT-3G (39ºE) satellite networks until 6 October 2019.	Executive Secretary will communicate these decisions to the administration concerned.

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		The Board further indicated that it would have appreciated more detailed clarifications on the length of the requested extension period.	
9	Submission by the Administration of the United Kingdom of Great Britain and Northern Ireland requesting consideration of interference issues affecting the reception of UK coordinated and agreed HF broadcasting stations (RR Article 12 refers) RRB19-1/9; RRB19-1/DELAYED/1; RRB19-1/DELAYED/4	 The Board considered the submission from the Administration of the United Kingdom provided in Document RRB19-1/9 and also considered Document RRB19-1/DELAYED/1 from the United Kingdom and Document RRB19-1/DELAYED/4 from the Administration of China for information. The Board thanked the Administrations of China and the United Kingdom for the update of the situation since the 79th meeting of the Board. The Board noted that: The Administration of China indicated its readiness to participate in a coordination meeting to be convened by the Bureau; Both the Administrations of China and the United Kingdom remained committed to pursuing coordination efforts to resolve the problem of harmful interference. Consequently, the Board decided to instruct the Bureau to convene as soon as possible a coordination meeting between the Administrations of China and the United Kingdom to address the problem of harmful interference and to report progress to a future meeting of the Board. The Board encouraged administrations to apply the relevant provisions of the Radio Regulations and to revert to the Board if such efforts are unsuccessful. 	Executive Secretary will communicate these decisions to the administrations concerned. Bureau to convene a coordination meeting with the Administrations of China and the United Kingdom and report on progress to a future meeting of the Board.
10	Report by the Radio Regulations Board to WRC-19 on Resolution 80 (Rev. WRC-07) RRB19-1/2	The Working Group on Resolution 80 (Rev.WRC-07) continued to review the preliminary draft report of the Board to WRC-19 under Resolution 80 (Rev.WRC-07). The Board instructed the Bureau to circulate the draft report to administrations for comments and to take the necessary actions to make it available as a contribution to the 81st meeting, at which time	Bureau to make revised draft report available to 81 th meeting and circulate it to administrations for comments.

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		the Board would review it, taking into account the comments from administrations.	
11	Confirmation of the next meeting for 2019 and indicative dates for future meetings	The Board confirmed the dates for the 81^{st} meeting as $15-19$ July 2019 in Room L and further tentatively confirmed the dates for the other meeting in 2019 as:	-
		82 nd meeting 14 – 18 October 2019	
		The Board further tentatively confirmed the dates for the meetings in 2020 as:	
		83 rd meeting 23 – 27 March 2020	
		84 th meeting 6 – 10 July 2020	
		85 th meeting 19 – 23 October 2020	
12	Any other business	-	-
13	Approval of the summary of decisions	The Board approved the summary of decisions as contained in Document RRB19-1/12.	-
14	Closure of the meeting	The meeting closed at 1200 hours on 22 March 2019.	

Annex 1

PART A3

Rules concerning the Regional Agreement concerning the use by the broadcasting service of frequencies in the medium frequency bands in Regions 1 and 3 and in the low frequency bands in Region 1 (Geneva, 1975) (GE75)

An.	2		

Technical data used in the preparation of the Plan and to be used in the application of the Agreement

CHAPTER 1

Definitions

MOD

4.4 *Protection ratios:* In applying the Agreement, the values of the co-channel and adjacent channel protection ratios given below should be used unless otherwise agreed between the administrations concerned. In the case of fluctuating wanted or unwanted signals, the values of the protection ratio apply for at least 50% of the nights of the year at midnight.

However, Resolution 8 of the Regional Administrative Conference (Regions 1 and 3) for drawing up frequency assignment plans for LF and MF broadcasting (Geneva, 1975) states:

- "I that broadcasting stations may provisionally use bandwidth saving modulation methods on condition that interference in the same or adjacent channels concerned does not exceed the interference resulting from the application of double sideband modulation with full carrier (A3E);
- 2 that any administration which envisages using these methods of emission shall seek the agreement of all affected administrations by following the procedure specified in Article 4 of the Agreement.".

After consideration of the relevant ITU-R studies, the Board decided that an analogue modulated frequency assignment in the Plan may be notified to be recorded in the Master International Frequency Register (MIFR) with digital modulation (transmission system Digital Radio Mondiale¹, robustness mode² A or B and spectrum occupancy type 2), provided the radiation is reduced by at least 6.6 dB in all directions, compared to the radiation of the analogue frequency assignment in the Plan.

The power of the transmitter to be notified in case of digital modulation shall be the total power within the necessary bandwidth.

The Digital Radio Mondiale system is described in Recommendation ITU-R BS.1514-2.

² The DRM robustness modes and spectrum occupancy types are defined in ETSI Standard ES 201 980 "Digital Radio Mondiale (DRM); System Specification" Version 3.1.1 and further detailed in Recommendation ITU-R BS.1615-1

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The Board further decided that in the application of Article 4 of the Agreement the protection ratios between analogue and di gital assignments (transmission system Digital Radio Mondiale, robustness mode A or B and spectrum occupancy type 2) and between digital and digital assignments in Part B Section B7 shall be used.

In order to enable the determination of the relevant protection ratios and the minimum value of field strength, according to Section B7, which are necessary for the identification of potentially affected administrations according to paragraph 3.2.5 of the GE75 Agreement, the Board also decided to introduce data items Modulation Scheme and Average Code Rate as mandatory for submission of Plan modification proposals concerning digital assignments using notice form T03.

This Rule of Procedure is of a provisional nature until such time that it is confirmed by a competent conference empowered to deal with the subject matter.

Reasons: Modulation Scheme and Average Code Rate are necessary data for selection of the relevant protection ratios and minimum value of field strength from the relevant Section B7 tables. The protection ratios and minimum value of field strength are required for the identification of potentially affected administrations according to paragraph 3.2.5 of the GE75 Agreement.

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