UPDATES to the

Rules of Procedure

(Edition of 2017)

Approved by the Radio Regulations Board*

Revision (Circular No.)	Date	Part	AR/AP	RR No. or other reference	Pages to be removed	Pages to be inserted
1 See CR/424	November 2017	A1	AR11	11.14	4	4 (rev.1)
2 See CR/433	July 2018	A1 A1	AR04 Receivability ¹	4.4	1-3 1-2	1(rev.2) - 3(rev.2) 1(rev.2) -
		A1	AR09 ² AR09	9.11A-9.15 9.27	10 21-24	2 <i>bis</i> (rev.2) 10(rev.2) 21(rev.2) - 24(rev.2)
		A1	AR09 AR11	9.27 11.48	21-24	28(rev.2) - 24(rev.2) 28(rev.2) - 28 <i>bis</i> (rev.2)
		A1	AP30 AP30A	5.2.2.2 5.2.2.2	15 12-13	15(rev.2) 12(rev.2) - 13(rev.2)
		A10	GE06	5.2.2	13-14	13(rev.2) - 15(rev.2)
		В3			3 6-10	3(rev.2) 6(rev.2) - 10 <i>bis</i> (rev.2)
		Table of content			1-2	1(rev.2) - 2(rev.2)
3 See CR/442	March 2019	A3	GE75		4	4(rev.3)
4 See CR/446	July 2019	A1	AR11 ³	11.31	8 10	8(rev.4) 10(rev.4)
		A2	ST61 ⁴	Art. 4	2	2(rev.4)
		A5	GE84 ⁴	Art.4	1	1(rev.4)
5 See CR/451	October 2019	A1	AR05	5.458	19	19(rev.5)

Revision (Circular No.)	Date	Part	AR/AP	RR No. or other reference	Pages to be removed	Pages to be inserted
6	July	A1	AR5	5.441B	17-18	17(rev.6) - 18
See CR/465	2020	A1	AR5	5.510	25-26	25(rev.6) - 26(rev.6)
		A1	Receivability		1(rev.2)	1(rev.6)
		A1	Notifying		_	2(rev.6) - 8(rev.6)
			administration			
		A1	AR9		7-9, 12,	7(rev.6) - 9(rev.6),
					14	12(rev.6), 14(rev.6)
		A1	AR9	9.19	18-19	18(rev.6) -
		A1	AR11	11.31	10(rev.4)	19(rev.6)
		A1	AP30A	2A.1.1	1	10(rev.6)
		A1	AP30A	Annex 4	18	1(rev.6)
		A1	AP30B	6.5	2	2(rev.6)
		A1	AP30B	6.6	3	3(rev.6)
		A1	AP30B	Annex 4	9	9(rev.6) - 10(rev.6)
		Table of			1	1(rev.6)
		content				
7	November	A1	AR9	9.11.A ⁶	7(rev.6)-10	7-9(rev.7), 10
See CR/471	2020			9.21	13-14(rev.6)	13(rev.7)-14(rev.6)
				$9.52C^{6}$	19(rev.6)-20	19(rev.7)-20
					29-30	29-30(rev.7)
			AR11	11.31 ⁶	9-10(rev.6)	9-10(rev.7)
				11.44^5 ,	25-28bis(rev.2)	25-28 <i>ter</i> (rev.7)
				11.44B-		
				11.44D ⁵ ,		
				$11.46^5, 11.47^6,$		
				11.48^{6}		
			AR13 ⁶		1-2	1(rev.7)-2(rev.7)
			AP30	Annex 7 ⁶	23-25	23(rev.7)-25(rev.7)
			AP30B	An. 3 and		8bis(rev.7)-
				An. 4 ⁶		8quater(rev.7)
				AP1 to An. 4	9(rev.6)-	9(rev.6)-10(rev.7)
					10(rev.6)	
			Res.170 ⁶			1(rev.7)-2(rev.7)
			Res.750 ⁶			1(rev.7)
		В	$B6^5$		1-2	1(rev.7)-2(rev.7)
						5(rev.7)
		Table of			1-3	1(rev.7) - 3(rev.7)
		content				

* The new Rules or modifications to the existing Rules of Procedure take effect immediately or as otherwise indicated.

- ¹ Effective date of application of the Rule: 1 August 2018.
- ² Effective date of application of the Rule: 1 January 2017.
- ³ Effective date of application of the Rule: 1 January 2017.
- ⁴ Effective date of application of the Rule: 31 March 2020. This Rule will also apply retroactively to all plan modifications published in Part A.
- ⁵ Effective date of application of the Rule: 1 January 2021.
- ⁶ WRC decisions provided for information.

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	Regulatio	ons Board	•••••				•••••		C-1/7

TABLE 9.11A-1

Applicability of the provisions of Nos. 9.11A-9.14 to stations of space services (MOD RRB20/85)

			Ρ		AR 9						age	7			rev. 7			
ſ	7	Notes	1	-						1		5		2		1		
	6	Terrestrial services in respect of which No. 9.14 apply equally	FIXED (5.204, 5.205) LAND MOBILE (5.204, 5.205) MARITIME MOBILE (5.204, 5.205) AERONAUTICAL MOBILE (OR) (5.204, 5.206) BROADCASTING (5.207)	FIXED (5.204, 5.205) LAND MOBILE (5.204, 5.205) MARITIME MOBILE (5.204, 5.205) AERONAUTICAL MOBILE (OR) (5.204, 5.206) BROADCASTING (5.207)	Fixed (in countries other than those listed in Nos. 5.204 and 5.205)	Land mobile (in countries other than those listed in Nos. 5.204 and 5.205)	Maritime mobile (in countries other than those listed in Nos. 5.204 and 5.205)	Aeronautical mobile (OK) (in countries other than those listed in Nos. 5.204 and 5.206)	(See No. 5.219)			(See No. 5.254)		(See No. 5.254)		FIXED (5.262) Mobile (5.262) Meteorological Aids	(See Nos. 5.286B and 5.286C)	(See Nos. 5.286B and 5.286C)
	5	Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13, 9.14	9.12, 9.14				9.12	9.12	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12	9.12, 9.12A, 9.13, 9.14	9.12	9.12
			\rightarrow	\rightarrow	\rightarrow						÷	$\rightarrow \stackrel{\leftarrow}{\rightarrow}$	\uparrow	←∽		\rightarrow		
	4	Other space services or systems to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate	SPACE OPERATION METEOROLOGICAL-SATELLITE SPACE RESEARCH	SPACE OPERATION (with the exception of short-duration mission (non-GSO) in accordance with Resolution 660 (WRC- 19) (See No.5.209A)) METEOROLOGICAL-SATELLITE SPACE RESEARCH					(See No. 5.219)		Mobile-satellite (GSO)	Mobile-satellite (non-GSO) (5.254) Mobile-satellite (GSO) (5.254)	Mobile-satellite (GSO)	Mobile-satellite (non-GSO) (5.254) Mobile-satellite (GSO) (5.254)		METEOROLOGICAL-SATELLITE SPACE RESEARCH		
		te 9.13	\rightarrow	\rightarrow	\rightarrow				←	←	←	←	\rightarrow	\rightarrow	←	\rightarrow	←	←
	3	Space services mentioned in a footnote referring to Nos. 9.11A, 9.12, 9.12A, 9.13 or 9.14, as appropriate	MOBILE-SATELLITE (non-GSO)	MOBILE-SATELLITE (non-GSO)	Mobile-satellite (non-GSO)				MOBILE-SATELLITE (non-GSO)	MOBILE-SATELLITE (non-GSO)	Mobile-satellite (non-GSO)	Mobile-satellite (non-GSO) (5.254)	Mobile-satellite (non-GSO)	Mobile-satellite (non-GSO) (5.254)	MOBILE-SATELLITE (non-GSO)	MOBILE-SATELLITE (non-GSO)	MOBILE-SATELLITE (non-GSO) (5.286D, 5.286E)	MOBILE-SATELLITE (non-GSO) (Region 2 (5.286E))
	2	Footnote No. in Article 5	5.208	5.208	5.208				5.219	5.220	5.255	5.255	5.255	5.255	5.220	5.264	5.286A	5.286A
	1	Frequency band (MHz)	137-137.025	137.175-137.825	137.025-137.175 137.825-138				148-149.9	149.9-150.05	312-315	312-315	387-390	387-390	399.9-400.05	400.15-401	454-455	455-456 459-460

A1		A	R 9			pa	ge 8	re	v. 1	7							
	7	Notes	7		7						3	3			7		
	6	Terrestrial services in respect of which No. 9.14 apply equally		(See No. 5.329)	(See No. 5.329)	(See No. 5.329)	FIXED MOBILE (except on the territory of USA in Region 2, see No. 21.16)	FIXED (Region 1, Region 3, see also No. 5.352A) LAND MOBILE (5.349) MARITIME MOBILE (5.349) AERONAUTICAL MOBILE (5.342, 5.350)	AERONAUTICAL MOBILE (5.342)		AERONAUTICAL MOBILE (R) (5.357)	FIXED (5.359) AERONAUTICAL MOBILE (R) (5.357)	FIXED (5.359)				
(MOD RRB20/85)	5	Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13
(MOD								\rightarrow	\rightarrow							\overleftrightarrow	$\rightarrow \stackrel{\leftarrow}{\rightarrow} \uparrow$
TABLE 9.11A-1 (continued)	4	Other space services or systems to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate		(See No. 5.332)	(See No. 5.332 and 5.329A)	EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active)		SPACE OPERATION (No. 9.14, Region 2 only, see No. 21.16)	SPACE OPERATION						(See No. 5.329A)	AERONAUTICAL MOBILE-SATELLITE (R) (5.367)	MARITIME MOBILE SATELLITE AERONAUTICAL MOBILE-SATELLITE (R) (5.367)
T/		е 9.13	$\rightarrow \updownarrow$	\rightarrow	\$	\rightarrow	\rightarrow	\rightarrow	→	\rightarrow	\rightarrow	\rightarrow	\rightarrow	\rightarrow	≎	÷	~
	3	Space services mentioned in a footnote referring to Nos. 9.11A, 9.12, 9.12A, 9.13 or 9.14, as appropriate	RADIONAVIGATION- SATELLITE	RADIONA VIGATION- SATELLITE	RADIONAVIGATION- SATELLITE	RADIONAVIGATION- SATELLITE	MOBILE-SATELLITE (except USA (5.344))	MOBILE-SATELLITE	MOBILE-SATELLITE	MOBILE-SATELLITE	MOBILE-SATELLITE	MOBILE-SATELLITE	MOBILE-SATELLITE	RADIONAVIGATION- SATELLITE	RADIONAVIGATION- SATELLITE	MOBILE-SATELLITE RADIODETERMINATION- SATELLITE (Region 2 (except country in No. 5.370), countries in No. 5.369)	MOBILE-SATELLITE RADIODETERMINATION- SATELLITE (Region 2 (except country in No. 5.370), countries in No. 5.369)
	2	Footnote No. in Article 5	5.328B	5.328B	5.328B	5.328B	5.348	5.354	5.354	5.354	5.354	5.354	5.354	5.328B	5.328B	5.364	5.364
	1	Frequency band (MHz)	1 164-1 215	1 215-1 260	1 215-1 300	1 260-1 300	1 518-1 525	1 525-1 530	1 530-1 535	1 535-1 545	1 545-1 550	1 550-1 555	1 555-1 559	1 559-1 610	1 559-1 610	1 610-1 621.35	1 621.35–1 626.5

					Par	: A1		A	AR9						F	bage 9)	re	v. 7	
7	Notes												6							
9	Terrestrial services in respect of which No. 9.14 apply equally	FIXED (5.359)						Fixed (5.355)	Fixed (5.355)							FIXED (Region 2) MOBILE (Region 2) (see also No. 5.389E)	FIXED MOBILE (see also No. 5.389F)	FIXED MOBILE RADIOLOCATION (Region 2, Region 3) (see also No. 5.398A & 5.399)	(See No. 5.399)	FIXED LAND MOBILE MARITIME MOBILE
5	Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	9.12, 9.12A, 9.13, 9.14			9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13, 9.14* * Only applicable to MSS in J and IND (see No. 5.414A)
			←	\Leftrightarrow		\rightarrow	\rightarrow	←	←				→							\rightarrow
4	Other space services or systems to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate	MOBILE-SATELLITE	RADIODETERMINATION-SATELLITE (Region 2 (except country in No. 5.370),	countries in No. 5.369) AERONAUTICAL MOBILE-SATELLITE (R) (5.367)		Mobile-satellite	Mobile-satellite except maritime mobile satellite	Radiodetermination-satellite (Region 1 (5.371), Region 3, country in No. 5.370))	Radiodetermination-satellite (Region 1 (5.371), Region 3, country in No. 5.370))		SPACE RESEARCH		METEOROLOGICAL-SATELLITE							FIXED SATELLITE (Region 2 and Region 3). RADIODETERMINATION-SATELLITE (5.404)
	te 9.13	\rightarrow			←	←	←	\rightarrow	\rightarrow	←	←	←	←	←	←	\rightarrow	\rightarrow	\rightarrow	\rightarrow	\rightarrow
3	Space services mentioned in a footnote referring to Nos. 9.11A , 9.12 , 9.12A , 9.13 or 9.14 , as appropriate	MARITIME MOBILE SATELLITE			Radiodetermination-satellite (Region 1 (5.371), Region 3, country in No. 5.370))	Radiodetermination-satellite (Region 1 (5.371), Region 3, country in No. 5.370))	Radiodetermination-satellite (Region 1 (5.371), Region 3, country in No. 5.370))	Mobile-satellite	Mobile-satellite except maritime mobile satellite	MOBILE-SATELLITE	MOBILE-SATELLITE	MOBILE-SATELLITE	MOBILE-SATELLITE	MOBILE-SATELLITE	MOBILE-SATELLITE (Region 2)	MOBILE-SATELLITE (Region 2)	MOBILE-SATELLITE	MOBILE-SATELLITE RADIODETERMINATION- SATELLITE	Radiodetermination-satellite (Region 1 and Region 3)	MOBILE-SATELLITE (Region 3)
2	Footnote No. in Article 5	5.365			5.364	5.364	5.364	5.365	5.365	5.354	5.379B	5.379B	5.379B	5.389A	5.389C	5.389C	5.389A	5.402	5.402	5.414
1	Frequency band (MHz)	1 621.35-1 626.5			1 610-1 613.8	1 613.8-1 621.35	1 621.35-1 626.5	1 613.8-1 621.35	1 621.35-1 626.5	1 626.5-1 660.5	1 668-1 668.4	1 668.4-1 670	1 670-1 675	1 980-2 010	2 010-2 025	2 160-2 170	2 170-2 200	2 483.5-2 500	2 483.5-2 500	2 500-2 520

TABLE 9.11A-1 (continued)(MOD RRB20/85)

1		A	R9		page	10	re	ev				
	7	Notes		4,5								
	6	Terrestrial services in respect of which No. 9.14 apply equally	FIXED LAND MOBILE MARTTIME MOBILE					AERONAUTICAL MOBILE (R)				
(MOD RRB18/78)	5	Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	9.12, 9.12A, 9.13, 9.14* * Only applicable to MSS, including AMSS in J and IND (see Nos. 5.414A and 5.415A)	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13, 9.14	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12, 9.12A, 9.13	9.12
(MOD)			\rightarrow	\rightarrow	$\rightarrow \leftarrow \rightarrow$	$\leftrightarrow \rightarrow$	$\rightarrow \leftarrow \uparrow$		$\rightarrow \leftarrow \uparrow$	\rightarrow		←
TABLE 9.11A-1 (continued) (4	Other space services or systems to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate	BROADCASTING-SATELLITE, FIXED SATELLITE (Region 2 and Region 3) AERONAUTICAL MOBILE-SATELLITE (countries in No. 5415A)	BROADCASTING-SATELLITE (5.416) FIXED-SATELLITE (Region 2)	BROADCASTING-SATELLITE FIXED SATELLITE (Region 2 and Region 3)	FIXED SATELLITE (Region 2 and Region 3)	AERONAUTICAL MOBILE- SATELLITE (R)		AERONAUTICAL MOBILE-SATELLITE (R)	RADIODETERMINATION-SATELLITE (non-GSO) (5.446), with date of bringing into use prior to 17.11.1995 (see No. 5.447C)		FIXED-SATELLITE (non GSO) in bands 6 700-6 725 MHz and 7 025-7 075 MHz
1	3	Space services mentioned in a footnote referring to Nos. 9.11A , 9.12 , 9.12A , 9.13 or 9.14 , as appropriate	MOBILE-SATELLITE (except AERONAUTICAL MOBILE- SATELLITE) (Region 3)	BROADCASTING-SATELLITE (sound) (5.418)	MOBILE-SATELLITE (except AERONAUTICAL MOBILE- SATELLITE) (Region 3)	MOBILE-SATELLITE (Region 3)	RADIONAVIGATION- SATELLITE \leftrightarrow	AERONAUTICAL MOBILE- ↓ SATELLITE (R) ↑	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)
	2	Footnote No. in Article 5	5.403	5.418A 5.418B 5.418C	5.420	5.419	5.328B	5.443D	5.444A	5.447A 5.447B	5.447A	5.458B
	1	Frequency band (MHz)	2 520-2 535	2 630-2 655	2 655-2 670	2 670-2 690	5 010-5 030	5 030-5 091	5 091-5 150	5 150-5 216	5 216-5 250	6 700-7 075

TARIF 911A-1 (continued)

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Notes to Table 9.11A-1:

- ¹ Coordination thresholds indicated in Annex 1 to Appendix **5** apply only to the MOBILE-SATELLITE service.
- 2 For the status of this additional allocation with respect to other services see No. 5.254.
- ³ See Rule of Procedure on No. **5.357**.
- ⁴ The coordination of the non-GSO BROADCASTING-SATELLITE service (sound) in respect of terrestrial services is subject to the provisions of Resolution **539** (**Rev.WRC-15**).
- ⁵ For the applicability of the forms of coordination (Nos. **9.12**, **9.12A** or **9.13**) to be applied between services mentioned in columns 3 and 4, please refer to the Rules of Procedure on frequency band 2 605-2 655 MHz and the Rules of Procedure relating to No. **5.418C**, as appropriate.
- ⁶ For the relation between the MOBILE-SATELLITE service and earth stations in the METEOROLOGICAL-SATELLITE service, see also No. **5.380A**.
- ⁷ Note: WRC-19 took the decision related to the coordination requirement under RR No. 9.7 for an inter-satellite link of a geostationary space station communicating with non-geostationary space station, as referred to in RR No. 5.328B, during the 8th Plenary, see items 3.11 to 3.15 of Doc. CMR19/569, approval of Doc. CMR19/451 in relation to section 3.1.2.1 of Doc. CMR19/4 (Add.2), as follows:

"In considering section 3.1.2.1 on 'Coordination requirement under RR No. 9.7 for an inter-satellite link of a geostationary space station communicating with non-geostationary space station, as referred to in RR No. 5.328B', in order to fulfil the requirements of RR No. 5.328B and of § 6.4 of the Rule of Procedure relating to RR No. 11.32, WRC-19 instructs the Bureau to establish coordination requirements for such link of a GSO station based on frequency overlap similar to that of a non-GSO station until such time as some other criteria or method is established." (ADD RRB20/85)

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TABLE 9.11A-2

Applicability of the provisions of No. 9.15 to earth stations of a non-geostationary satellite network and No. 9.16 to stations of terrestrial services

1	2	3	4	5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Terrestrial services to which No. 9.16 applies and in respect of which No. 9.15 applies	Space services mentioned in a footnote referring to No. 9.11A to which No. 9.15 applies and in respect of which No. 9.16 applies		Applicable Nos. 9.15 , 9.16 provision(s)	Notes
137-137.025 137.175- 137.825	5.208	FIXED (5.204, 5.205) LAND MOBILE (5.204, 5.205) MARITIME MOBILE (5.204, 5.205) AERONAUTICAL MOBILE (OR) (5.204, 5.206) BROADCASTING (5.207)	MOBILE-SATELLITE (non-GSO (5.209))	\rightarrow	9.15, 9.16	1
137.025- 137.175 137.825-138	5.208	 Fixed (in countries other than those listed in Nos. 5.204, 5.205) Land mobile (in countries other than those listed in Nos. 5.204, 5.205) Maritime mobile (in countries other than those listed in Nos. 5.204, 5.205) Aeronautical mobile (OR) (in countries other than those listed in Nos. 5.204, 5.206) 	Mobile-satellite (non-GSO (5.209))	\downarrow	9.15, 9.16	1

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1	2	3	4	5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Terrestrial services to which No. 9.16 applies and in respect of which No. 9.15 applies	Space services mentioned in a footnote referring to No. 9.11A to which No. 9.15 applies and in respect of which No. 9.16 applies		Applicable Nos. 9.15 , 9.16 provision(s)	Notes
400.15-401	5.264	FIXED (5.262) MOBILE (5.262) METEOROLOGICAL AIDS	MOBILE-SATELLITE (non-GSO (5.209))	\rightarrow	9.15, 9.16	1
1 518-1 525	5.348 5.348A	LAND MOBILE (except J (No. 5.348A)) MARITIME MOBILE (except J (No. 5.348A))	MOBILE-SATELLITE (except USA (5.344))	\downarrow	9.15, 9.16	1
	5.348B	AERONAUTICAL MOBILE (In Regions 2 and 3, except J (No. 5.348A) and with the exception of aeronautical mobile telemetry in USA (5.348B))				
1 525-1 530	5.354	FIXED (Region 1, Region 3, see also No. 5.352A) LAND MOBILE (5.349) MARITIME MOBILE (5.349) AERONAUTICAL MOBILE (5.342 , 5.350)	MOBILE-SATELLITE	¥	9.15, 9.16	1
1 530-1 535	5.354	AERONAUTICAL MOBILE (5.342)	MOBILE-SATELLITE	\downarrow	9.15, 9.16	1
1 545-1 550	5.354	AERONAUTICAL MOBILE (R) (5.357)	MOBILE-SATELLITE	\downarrow	9.15, 9.16	1, 2
1 550-1 555	5.354	FIXED (5.359) AERONAUTICAL MOBILE (R) (5.357)	MOBILE-SATELLITE	\downarrow	9.15, 9.16	1, 2
1 555-1 559	5.354	FIXED (5.359)	MOBILE-SATELLITE	\downarrow	9.15, 9.16	1
1 610-1 626.5	5.364	Fixed (5.355)	Radiodetermination-satellite (Region 1 (5.371), Region 3, country in No. 5.370)	1	9.15	1
1 613.8-1 621.35	5.365	Fixed (5.355)	Mobile-satellite	\downarrow	9.15, 9.16	1
1 621.35-1 626.5	5.365	Fixed (5.355)	Mobile-satellite except maritime mobile-satellite	\downarrow	9.15, 9.16	1
1 621.35-1 626.5	5.365	FIXED (5.359)	MARITIME MOBILE- SATELLITE	\downarrow	9.15, 9.16	1
1 626.5-1 631.5 1 634.5-1 645.5	5.354	FIXED (5.359)	MOBILE-SATELLITE	1	9.15	1
1 646.5-1 656.5	5.354	FIXED (5.359) AERONAUTICAL MOBILE (R) (5.376)	MOBILE-SATELLITE	1	9.15	1
1 668.4-1 670	5.379B	FIXED MOBILE (except aeronautical mobile) METEOROLOGICAL	MOBILE-SATELLITE	1	9.15	1, 3

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TABLE 9.11A-2 (continued)(MOD RRB20/84)

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3 The relevant ITU-R Study Groups are invited to develop more specific criteria for establishing coordination requirements under RR No. 9.19 in the bands 620-790 MHz, 1 452-1 492 MHz, 2 310-2 360 MHz, 2 520-2 670 MHz, 17.7-17.8 GHz, 40.5-42.5 GHz and 74-76 GHz."

Note by the Secretariat: WRC-19 suppressed provision No. **5.311A** on allocation of the frequency band 620-790 MHz to the BSS.

9.21

1 Notification under Article 11 before the completion of the procedure of No. 9.21

The Bureau accepts notifications under Article **11** with a reference to No. **4.4** in a band where the coordination procedure of No. **9.21** is to be applied at any moment before starting the procedure or during the application of the procedure of No. **9.21** (see No. **11.31.1** and comments under the Rules of Procedure relating to No. **11.37**). (MOD RRB20/85)

2 Secondary services

2.1 Upgrade of the status of the allocation for specific assignments

The following Rule has been adopted by the Board for application in cases where the application of the coordination procedure of No. 9.21 will upgrade a secondary allocation made in the Table or in a footnote (e.g. No. 5.371) to a primary status for specific assignments (e.g. Nos. 5.325 and 5.326).

For the purpose of identifying other administrations (Administration B) likely to be affected, assignments to stations of secondary services already entered in the Master Register and subject to provisions of Nos. **5.28** to **5.31** shall not be taken into consideration in cases involving those services of the requesting administration (Administration A) which are subject to the coordination procedure of No. **9.21** and will have primary status once that procedure has been successfully applied. Consequently, when criteria are drawn up for identifying affected administrations, secondary services shall not be regarded as enjoying protection against a primary service subject to the coordination procedure of No. **9.21**.

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2.2 Coordination of assignments in allocation situations on a secondary basis

There are several provisions where the allocation is made on a secondary basis subject to the application of the procedure defined in No. 9.21 (e.g. Nos. 5.181, 5.197, 5.259, 5.371). For the application of the 9.21 procedure in these cases, some specific elements would need to be taken into account.

It is to be noted that in accordance with No. 9.52, any administration may object to the planned use on the basis of its existing or planned stations and that No. 9.52C stipulates that "an administration not responding ... shall be regarded as unaffected". An administration may consider that the application of the No. 9.21 procedure will result in a secondary status, and assume that there is no need for it to comment, since the secondary service is required to not cause harmful interference to a primary service. Consequently an assignment for which the No. 9.21 procedure was applied shall be considered secondary with respect to administrations which have given their agreement as well as to administrations which have not commented upon it within the time-limits specified in No. 9.52. Any other arrangement between administrations when reaching agreement in application of the No. 9.21 agreement procedure is considered only in the relations between those administrations.

3 Coordination of a satellite network

When an administration communicates Appendix 4 data (AP4/II Notice Forms) for a satellite network to initiate the coordination procedure of No. 9.21, the Bureau will act under Nos. 9.36 to 9.38 for that satellite network with respect to other satellite networks and for the space station of that satellite network with respect to terrestrial services, as appropriate.

If the administration requests that No. **9.21** be also initiated for earth stations of the satellite network, the request shall be accompanied with the AP4/III Notice Forms. The Bureau will then establish coordination and/or "agreement" areas, as appropriate, for specific and/or typical earth stations located on the territory of the requesting administration, and publish the information under No. **9.38**. In case horizon elevation data were not provided, as well as in the case of typical earth stations, a value of 0° will be assumed by the Bureau.

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9.52

1 The provision No. **9.52** states that in the case of a disagreement concerning coordination, the responding administration (Administration B) informs the administration requesting the coordination (Administration A) of the reasons for its disagreement and in particular includes in these reasons those "assignments upon which that disagreement is based". It further states that a copy of these comments shall also be sent to the Bureau. The Board noted the requirement for mandatory electronic filing and the Rules concerning the receivability of forms of notice, which require comments to be submitted to the Bureau in electronic format compatible with the BR electronic notice form capture software SpaceCom. As a consequence, when submitting its disagreement to the BR using SpaceCom, Administration B must also inform Administration A, within the 4 month regulatory period, of its disagreement is based". In addition, Administration B must also send a copy of these comments to the Bureau until such time that SpaceCom enables their inclusion in the electronic notice.

Where this information relates to terrestrial stations or earth stations operating in the opposite direction of transmission within the coordination area of an earth station, only that information relating to existing radiocommunication stations or those to be brought into use within the next three months for terrestrial stations, or three years for earth stations, shall be treated as notifications under No. **11.2** or **11.9**. Provision No. **9.52** does not specify what action the Bureau will take with respect to the information relating to the other type of stations which are not to be considered as notifications but with respect to which the responding administration also stated its disagreement. The Bureau will not consider them as a notification under No. **11.2** or **11.9** and will not publish them, considering that it is a bilateral matter which does not need to be brought to the knowledge of all administrations.

The information submitted to the Bureau by Administration B which, according to No. 9.52, shall be treated as notifications under No. 11.2 or 11.9 could only be so considered, if it contains complete data as required by Appendix 4; otherwise the notice(s) will be returned to Administration B as incomplete. It is also understood that these notices have to be in conformity with No. 11.31; otherwise the notice(s) will be either returned to Administration B, or shall be recorded in the Master Register for information purposes only, if the administration indicated that the assignment(s) will be operated in accordance with No. 4.4. Furthermore, the relevant frequency assignments of Administration B will be examined under No. 11.32 (with respect to its conformity with the procedures relating to coordination) and may be eventually returned to the administration, under No. 11.37, if the Bureau finds that the procedures for obtaining coordination were not successfully applied with all concerned administrations, under No. 9.27 with respect to their assignments recorded in the Master Register. See also the Rules of Procedure relating to No. 9.29.

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4 This provision requires the responding Administration B to inform the requesting Administration A of its disagreement within four months. It is to be noted that if Administration B is not in a position, for any reason, to respond to the requesting Administration A, Administration B can send its disagreement directly to the Bureau accompanied by a statement reflecting the situation. The Board decided that disagreements addressed directly to the Bureau are valid in the meaning of No. **9.52**, and the Bureau shall communicate the disagreement to Administration A.

5 Case of administrations having responded

An Administration B may, when it accepts the proposed use, stipulate conditions of use. If such conditions are accepted by the administration requesting the agreement, the Bureau will take this as an agreement.

5.1 When an administration has responded in application of No. 9.52 within four months and requested the assistance of the Bureau, the latter will act according to Article 13.

5.2 When an Administration B has responded, in application of No. 9.52, more than four months after the date of publication of the relevant Special Section or the date of dispatch of the coordination data under No. 9.29, and the Bureau has been informed of a continuing disagreement between the two administrations, the Bureau has to literally apply No. 9.52C; it will consider Administration B as not having responded in due time. Therefore, despite the comments expressed by Administration B, Administration A will be considered to have successfully completed the procedure.

5.3 When an Administration B has responded, in application of No. 9.52, more than four months after the date of publication of the Special Section in application of No. 9.38 or the dispatch of the coordination data under No. 9.29, and an agreement is reached between the two administrations, the Bureau will take this situation into account.

9.52C

1 Case of administrations not responding

With respect to an administration not responding, an administration having applied the procedure shall be regarded as having successfully completed the procedure of this Article for assignments for which there was no response.

Note: WRC-19 took the decision related to the deadline contained in No. **9.52C**, during the 4th Plenary, see items 5.1 to 5.8 of Doc. CMR19/237, approval of relevant parts of Doc. CMR19/189 related to No. **9.52C**, as follows:

"Before the expiry of the deadline referred to in this document, the Radiocommunication Bureau shall send a message to the administrations concerned drawing their attention to the need to reply within the deadline as contained in the document." (ADD RRB20/85)

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2.4 *Maritime mobile service:* Most of them are related to the frequency bands that are allocated exclusively to the maritime mobile service (obligatory channelling arrangements, permitted classes of emission, power limits, etc.); however many of them are also applicable to the non-exclusive allocations to the maritime mobile service. A summary of the provisions that are applicable to the frequency assignments subject to notification is given in the Table below:

	Provision No.
Power limits	52.104 52.117 , 52.127 (Region 1 only), 52.143 , 52.144 , 52.172 52.184-52.186 , 52.188 , 52.202 (Region 1 only) 52.219 , 52.220 , 52.227 , 52.265 , 52.266
Class of emission	52.2, 52.3 52.101, 52.177, 52.183, 52.188, 52.198, 52.217
Mandatory sub-division	52.10 (Region 1 only), 52.13 Appendix 17

2.5 The list of these "other provisions", referred to in No. **11.31.2**, with respect to which notices to stations in terrestrial services⁶ in the bands that are shared with equal rights with space services are examined, is given below:

2.5.1 conformity with the limits concerning the maximum equivalent isotropically radiated power (e.i.r.p.), in the context of services and frequency bands indicated in Table 21-2 (Nos. 21.3, 21.4, 21.5A and 21.6);

2.5.2 conformity with the limits concerning the power delivered by a transmitter to the antenna of a station in the fixed or mobile services (13 dBW in frequency bands between 1 GHz and 10 GHz, 10 dBW in frequency bands above 10 GHz), in the context of services and frequency bands indicated in Table **21-2** (Nos. **21.5** and **21.6**).

2.6 The list of these "other provisions", referred to in No. **11.31.2**, applicable to space services, is given below so far as Articles **21** and **22** are concerned:

⁶ In bands shared by terrestrial and space radiocommunication services, the administration may use passive repeaters in the fixed service (radio-relay systems). While generally the passive repeater is situated close to the transmitting or receiving station, it usually involves a major change in the direction of the maximum radiation which may further affect the orbit; for this reason, the Board decided that administrations shall be requested to notify both parts of the link as separate stations, i.e., transmitting stations to passive repeater and passive repeater to receiving stations; and that each of the notices, containing information in accordance with Appendix 4, is treated as a separate assignment representing a separate station.

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2.6.1 conformity with the power limits for earth stations as stipulated in provisions Nos. 21.8, 21.10 and 21.12, 21.13, 21.13A account being taken of Nos. 21.9 and 21.11⁷, and in provisions 22.26 to 22.28 or 22.32 (as appropriate) under the conditions specified in 22.30, 22.31 and 22.34 to 22.39, where the earth stations are subject to those power limitations (see also § A.16 of Appendix 4);

2.6.2 conformity with the minimum angle of elevation of earth stations as stipulated in provisions Nos. **21.14** ⁸ and **21.15**;

2.6.3 conformity with the limits of power flux-density from space stations produced at the Earth's surface as indicated in the Table 21-4 (No. 21.16)^{8bis}, as well as with the epfd_↓ limits in Tables 22-1A to 22-1E (No. 22.5C), taking into account, as appropriate, the provisions of Nos. 21.17 and 22.5CA; (MOD RRB20/85)

2.6.4 conformity with the limits of power flux-density from space stations produced at the GSO as indicated in Nos. 22.5 and 22.5A as well as with epfd_{is} limits in Table 22-3 (No. 22.5F);

2.6.5 conformity with limit of equivalent power flux-density (epfd) from earth stations produced at the GSO (epfd \uparrow) as indicated in the Table **22-2** (No. **22.5D**);

2.6.6 conformity with the single-entry limit specified in No. **22.5L** for non-geostationary-satellite systems in the fixed-satellite service; (ADD RRB20/84)

2.6.7 conformity with the limit of power flux-density (pfd) from earth stations produced at the GSO as stipulated in provision No. **22.40**; (MOD RRB20/84)

2.6.8 conformity with the limit specified in Nos. 22.8, 22.13, 22.17 and 22.19. (MOD RRB20/84)

3 Other provisions of Articles **21** and **22** will not be taken into account in the Regulatory examination under No. **11.31** and the Board understands that these provisions are to be applied between administrations.

4 (Not used)

5 Conformity with the Table of Frequency Allocations

The examination of conformity with the Table of Frequency Allocations consists of determining whether the assigned frequency and/or the necessary bandwidth of the emission is within the frequency band allocated to the service in which the station in question operates. Another element is to identify the category of the service according to the Table of Frequency Allocations. The following rules are applied in this connection:

⁷ See Rules of Procedure relating to No. **21.11**.

⁸ See Rules of Procedure relating to No. **21.14.**

^{8bis} **Note**: WRC-19 took the decision related to compliance of frequency assignments to non-GSO FSS satellite systems with RR Article **21** pfd limits applicable in the frequency band 17.7 - 19.3 GHz, during the 8th Plenary, see items 3.11 to 3.15 of Doc. CMR19/569, approval of Doc. CMR19/451, as follows:

[&]quot;WRC-19 (...) instructs the Radiocommunication Bureau to issue qualified favorable findings under RR Nos. 9.35/11.31 when examining compliance of frequency assignments to non-GSO FSS satellite systems with RR Article 21 pfd limits applicable in the frequency band 17.7-19.3 GHz if the notifying administration requests it to do so. Such practice shall apply to non-GSO FSS satellite systems for which coordination requests have been received from 23 November 2019 until the last day of WRC-23" (ADD RRB20/85)

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3 The reference in Nos. **11.44**, **11.44.1**, **11.47** and **11.48** to the seven year regulatory period should be considered as five years from the date of receipt by the Bureau of the notification of the modification referred to in No. **11.43A**. (See also the comments made under the Rules of Procedure concerning No. **11.44B**).

4 Modification of an earth station by changing the associated space station or the associated beam so far as No. **11.32** is concerned is covered in the comments under the Rules of Procedure concerning No. **11.32** in § 2.2.2 and 2.2.3.

5 When the modification of a frequency assignment to an earth station is examined in application of Nos. 9.15, 9.17 and 9.17A, the coordination distance is calculated in each azimuth and the coordination under Nos. 9.15, 9.17 and 9.17A is required only with those countries on whose territory the coordination distance is increased owing to the modification (see comments under the Rules of Procedure concerning No. 9.27 (§ 3.1 and 3.2)).

6 When the modification of a frequency assignment is examined in application of No. **9.19**, the power flux-density of the transmitting station (terrestrial station or FSS earth station) with modified characteristics is calculated at the edge of the BSS service area and the coordination under No. **9.19** is required only with those countries where the power flux-density limit at the edge of the BSS service area is increased as the result of modification of characteristics of the transmitting station and is above the permissible level (see comments under the Rules of Procedure concerning No. **9.27** (§ 3.1 and 3.2)).

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 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 $\S 6 a$) to 6 c) of Appendix 5. In cases where there is no calculation method and/or criteria to check the application of these provisions (e.g. coordination requirement for Nos. 9.12 and 9.13), 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.

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.

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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.

11.43C

The Board concluded that the resubmitted assignments will be recorded only if the finding with respect to No. **11.31** remained favourable.

11.44

The information concerning the date of bringing into use is to be provided in the following occasions: (MOD RRB20/85)

- in AP4 notice forms when submitted under No. 11.15; and
- in the confirmation of the date of bringing into use under Nos. 11.44.2, 11.47, 11.44B, 11.44C, 11.44D and 11.44E. (MOD RRB20/85)

It should be noted that the information concerning the date of bringing into use shall be provided for each assignment or group of assignments. (See also the Rules of Procedure concerning No. 11.44B, 11.44C, 11.44D and 11.44E). (MOD RRB20/85)

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11.44B, 11.44C, 11.44D and 11.44E

(MOD RRB20/85)

1 These provisions concern the bringing into use of a frequency assignment to a space station. In order to consider such a frequency assignment as having been brought into use, the notifying administration has to inform the Bureau, within thirty days from the end of the ninety-day period defined in Nos. 11.44B or 11.44C, or from the end of the period referred to in No. 11.44 for cases related to Nos. 11.44D or 11.44E, of the deployment information specified in these provisions.

2 The Board carefully studied the relationship between the various provisions related to bringing into use of frequency assignments for a satellite network or system under Nos. 11.43A, 11.44, 11.44.2, 11.44.3, 11.44B, 11.44B.1, 11.44B.2, 11.44C, 11.44C.1, 11.44C.2, 11.44C.3, 11.44C.4, 11.44D, 11.44D.1, 11.44D.2, 11.44D.3, 11.44E, 11.44E.1 and 11.47 and concluded that the Bureau will apply the following procedure.

3 No. 11.44¹⁰ establishes the regulatory time limit for bringing frequency assignments to a space station into use and states that the Bureau shall cancel those frequency assignments which are not brought into use within the required regulatory period. Nos. 11.44B, 11.44C, 11.44D and 11.44E, as well as Nos. 11.44B.2 and 11.44C.3, established the conditions upon which a frequency assignment to a space station shall be considered as having been brought into use. The Bureau will record the date of the commencement of the ninety-day period defined in Nos. 11.44B or 11.44C, or the date of deployment defined in Nos. 11.44D or 11.44E, or the date provided by the administration in accordance with Nos. 11.44B.2 or 11.44C.3, as the notified date of bringing into use (see No. 11.44.2). The date of bringing into use of an assignment will be made available on the BR web with indication of status of confirmation and subsequently be published in PART II-S of the BR IFIC if the assignment is to be recorded in MIFR. In the absence of the confirmation information under Nos. 11.44B, 11.44C, 11.44D and 11.44E, as well as Nos. 11.44B.2 and 11.44C.3, the Bureau shall cancel the assignments provisionally recorded in the MIFR under No. 11.44¹¹ and/or delete the relevant special sections under No. 11.48¹², as appropriate.

4 Frequency assignments for which an administration has submitted notification information for recording in the MIFR without submitting the mandatory information required under the provisions of Nos. **11.44B**, **11.44C**, **11.44D** and **11.44E**, will be recorded provisionally in the MIFR. Thereafter, at the end of the period provided under No. **11.44**, the Bureau shall act in accordance with the provisions of No. **11.47** and/or Nos. **11.44B**, **11.44C**, **11.44D** and **11.44E**.

¹⁰ Similarly applicable to \$ 4.1.3 or 4.1.3*bis* or 4.2.6 or 4.2.6*bis* of Article 4 of Appendices **30** and **30A** and \$ 6.1 or 6.31*bis*, and 6.33 of Article 6 of Appendix **30B**.

¹¹ Similarly applicable to § 5.3.1 of Article 5 of Appendices **30** and **30A** and §8.16 of Article 8 of Appendix **30B**.

¹² Similarly applicable to \$ 4.1.3 or 4.1.3*bis* or 4.2.6 or 4.2.6*bis* of Article 4 of Appendices **30** and **30A** and \$ 6.33 of Article 6 of Appendix **30B**.

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11.46 (ADD RRB20/85)

This provision describes the actions of the Bureau in respect to the resubmitted notices that are received more than six months after the date on which the original notice was returned. The Board studied its applicability to space and terrestrial notices and concluded that:

- a) the requirement contained in the first sentence of this provision and stating that a resubmitted notice received more than six months after the date of its return is considered as a new notification, shall be applied to frequency assignments to space and terrestrial stations;
- b) all other requirements of No. **11.46**, as well as the provision of No. **11.46.1** shall apply only to frequency assignments to space stations.

11.47

The reference in No. **11.47** to No. **11.44** and its regulatory period should be considered as five years from the date of receipt of a notice of a change referred to in No. **11.43A**. (See also the comments made under the Rules of Procedure concerning No. **11.43A** and No. **11.44B**).

Note: WRC-19 took the decision related to the implementation of No. **11.47** with respect to provisional recordings, during the 8th Plenary, see items 3.11 to 3.15 of Doc. CMR19/569, approval of Doc. CMR19/451 in relation to section 3.1.4.3 of Doc. CMR19/4 (Add.2), as follows:

"In considering section 3.1.4.3 on 'Possible revision to the implementation of RR No. 11.47 with respect to provisional recordings', WRC-19 decided upon the second option of two options raised in this section were preferred to address the issue as follows:

The Bureau is instructed to automatically extend the foreseen dates of bringing into use in the database to the end of the regulatory period established under RR No. 11.44 if no confirmation has been received by the Bureau within four months from the foreseen date of bringing into use: no publication will be issued for this revision of the date of bringing into use, but this information will be visible on the BR website. This option does not require any change in the current Radio Regulations." (ADD RRB20/85)

11.48

(ADD RRB18/78)

Actions from the Bureau following a Board decision to grant an extension for bringing into use frequency assignments to a satellite network

When the Board decides to grant an extension of the regulatory time limit for bringing into use frequency assignments to a satellite network in cases of *force majeure* or co-passenger delay, this raises the question of whether the deadline for the submission of Resolution **49** (**Rev.WRC-15**) and notification information should also be extended. Indeed, No. **11.48** does not only relate to the bringing into use, but also requires that the Radiocommunication Bureau receives the first notice for recording of the frequency assignments under No. **11.15** and the due diligence information under Resolution **49** (**Rev.WRC-15**) before the end of the 7-year regulatory period.

Unless explicitly decided otherwise by the Board, an extension of the date of bringing into use of frequency assignments to a satellite network does not imply an extension of the regulatory deadline for submitting the notification and Resolution **49** (**Rev.WRC-15**) information under No. **11.48**, because such information about the planned frequency usage and coordination status would be useful to other administrations in the planning of their satellite projects and their coordination activities. Consequently, in cases where this information has not been provided before the decision of the Board to grant an extension of the deadline for bringing into use, the Bureau will inform the notifying administration after the Board decision that it still has to provide, within the 7-year period and in accordance with No. **11.48**, the notification and Resolution **49** (**Rev.WRC-15**) information pertaining to the satellite that faced a case of *force majeure* or a co-passenger delay.

If, before the end of the period of extension or within one year following the Board's decision to grant an extension, whichever is earlier, the notifying administration has not provided to the Bureau updated Resolution **49** (**Rev. WRC-15**) information for the new satellite under procurement, the related frequency assignments shall lapse. If, one month before the abovementioned deadline, the notifying administration has not provided to the Bureau updated Resolution **49** (**Rev. WRC-15**) information, the Bureau shall promptly send a reminder to the notifying administration.

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1 Suspended assignments

1.1 Under the provisions of No. **11.49**, the Board understands that an administration may inform the Bureau of the suspension of the use of a frequency assignment to a space station for a period not exceeding three years and that during this period the frequency assignment shall still continue to enjoy the protection acquired by virtue of the coordination agreements already obtained.

1.2 The Board decided that the procedure described below shall apply. The procedure will only be valid for suspended assignments which are not modified before being brought back into use.

¹³ Similarly applicable to §§5.2.10 and 5.2.11 of Article 5 of Appendices **30** and **30A** and §8.17 of Article 8 of Appendix **30B**.

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Rules concerning

ARTICLE 13 of the RR*,**

In reviewing Sections III and IV of Article **13**, the Board noted that modifications were introduced by WRC-97 and WRC-03 particularly in relation to the process of considering proposed changes or additions to the Rules of Procedure and the opportunity available to administrations to comment on such proposals.

Nos. **13.12A**, **13.14** and **13.15** in Section III establish procedures for changes to the Rules of Procedure and a sequence for Board consideration, publication, comment by administrations and possible further review or special study. On the other hand, No. **13.17** in Section IV also refers to preparation of draft modifications or additions to the Rules of Procedure.

The Board has concluded that there is a lack of clarity in the procedures to be followed for modifications or additions to the Rules of Procedure.

^{*} **Note**: WRC-15 took the decision related to RR No. **13.6** during the 8th Plenary, Par. 1.39 to 1.42 of Doc. CMR15/505, approval of Doc. CMR15/416 in relation to Section 6 of Doc. 4 (Add2) (Rev1) (Add1)), as follows:

[&]quot;With regards to the issue of whether partial evidence provided by an administration to support the use of frequency assignments across a frequency band may be considered as sufficient, in a reply to a RR No. 13.6 query, to demonstrate the use, or continuation of use, of frequency assignments in accordance with the notified characteristics recorded in the MIFR, WRC-15 was of the view that administrations need to respond as completely as practicable to queries under RR No. 13.6. If the Bureau receives what it considers to be a partial reply to a query, it is expected that the Bureau would further clarify the scope of its query for the administration or request additional or alternative information. In addition, it was recognized that WRC-15 agreed some revisions to RR No. 13.6 that are intended to ensure greater transparency in the application of this provision. These revisions should have the consequence of helping to address such issues."

^{**} **Note**: WRC-19 took the decision related to the application of No. **13.6**, during the 10th Plenary, see items 10.5 to 10.7 of Doc. CMR19/571, approval of Doc. CMR19/500, as follows:

[&]quot;1 WRC-19 has adopted a new milestone-based approach for the deployment of non-geostationary satellite systems in specific bands and services. WRC-19 indicates to the Director of the Radiocommunication Bureau that with the milestone approach, WRC-19 is not encouraging routine use of No. 13.6 in the Radio Regulations, in the absence of reliable information, to seek confirmation of the deployment of the number of satellites in notified orbital planes for non-geostationary satellite orbit systems in frequency bands and services not listed in resolves 1 of the new Resolution.

^(...)

Furthermore, WRC-19 instructs the Bureau in applying the relevant provisions of the RR (e.g. No. 11.44C.2 or resolves 9d) of Resolution [7(A)-NGSO-MILESTONES]) to exercise utmost caution until such time as ITU-R completes studies on tolerances."***

^{***} *Note by the Secretariat:* The definitive number of Resolution [[7(A)-NGSO-MILESTONES] (WRC-19)] is Resolution **35 (WRC-19)**. (ADD RRB20/85)

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Accordingly, the Board decided that the following procedures should be followed with respect to the application of Nos. **13.14**, **13.15** and **13.17**:

- *a)* Proposals for changes or additions to the Rules of Procedure can emerge from administrations, from the Bureau, or from the Board itself. Irrespective of the source of proposals, the Board regards No. **13.17** as requiring that the Bureau should prepare draft modifications or additions to the Rules of Procedure arising from such proposals. In accordance with No. **13.12A** *c*), such drafts shall be available to administrations at least ten weeks prior to the start of the Board meeting.
- *b)* The Bureau, in accordance with No. **13.14**, shall submit to the Board the final drafts of all proposed changes to the Rules of Procedure, as well as the comments received in response to the procedure in *a*) above.
- c) Any need pursuant to No. 13.15, for a special study in relation to the Rules of Procedure submitted by an administration or identified by the Board or the Bureau, or the need for any new Rules or modification or addition to the existing Rules of Procedure shall be handled in accordance with the procedure in a) and b) above.

See also Rules of Procedure in Part C (Rules concerning working methods of the RRB).

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Annex 7

(ADD RRB20/85)

Note: WRC-19 took the decision related to the application of revised Annex 7 to RR Appendix **30** and associated Resolutions, during the 7th Plenary, see items 4.1 to 4.4 of Doc. CMR19/568, approval of Doc. CMR19/303, as follows:

"Instructions to the Radiocommunication Bureau in application of revised Annex 7 to RR Appendix 30 and associated Resolutions

1 Application of the revised orbital limitations applicable to broadcasting satellites serving an area in Region 1 and using a frequency in the band 11.7-12.2 GHz

When, under Article 4 of RR Appendix **30**, an administration of Regions 1 and 3 submits to the Bureau a new satellite network with frequency assignments in the band 11.7-12.2 GHz, serving an area in Region 1 from the West and occupying a nominal orbital position further west than 37.2° W, the frequency assignments of this satellite network shall be deemed receivable only if a portion of land located in the western part of Region 1 as determined by the relevant software application of the Radiocommunication Bureau (excluding any territory with special status (e.g. Antarctica)) is visible from the nominal orbital position of that satellite network (i.e. the elevation angle is greater than 5 degrees). Otherwise the Bureau shall return those assignments to the notifying administration.

2 Application of the revised orbital limitations applicable to broadcasting satellites serving an area in Region 2 and using a frequency in the band 12.2-12.7 GHz

When, under Article 4 of RR Appendix **30**, an administration of Region 2 submits to the Bureau a new satellite network with frequency assignments in the band 12.2-12.5 GHz (resp. 12.5-12.7 GHz), serving an area in Region 2 from the East and occupying a nominal orbital position further east than 44° W (resp. 54° W), the frequency assignments of this satellite network shall be deemed receivable only if a portion of land located in the eastern part of Region 2 as determined by the relevant software application of the Radiocommunication Bureau (excluding any territory with special status (e.g. Antarctica)) is visible from the nominal orbital position of that satellite network (i.e. the elevation angle is greater than 5 degrees). Otherwise the Bureau shall return those assignments to the notifying administration.

3 Application of Resolution COM5/2 (WRC-19)

Resolves 2 of Resolution **COM5/2** (**WRC-19**) indicates that identification of frequency assignments of certain networks associated to 40-cm and 45-cm earth station antenna diameters are based only on EPM and a minimum orbital spacing less than 9 degrees. This resolves only applies in the frequency band 11.7-12.2 GHz. The HISPASAT-37A satellite network included in Annex 1 of this Resolution contains frequency assignments, which partially overlap with the frequency band 11.7-12.2 GHz. GHz. For the protection of such assignments from non-planned satellite networks, the criteria contained in Resolution **COM5/4** (**WRC-19**) shall be applied however, for the protection of these assignments from new submissions under Article 4 that are subject to Resolution **COM5/2** (**WRC-19**), the criteria contained in resolves 2 of this Resolution shall be used.

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4 Application of new Resolution COM5/3 (WRC-19)

a) **Resolves** 2 on the date of receipt of submissions

Submissions referred to in resolves 2 shall have a common date of receipt of 21 May 2020. The formal date of receipt and the date of protection shall be 21 May 2020 if the submissions are complete. If the submissions are incomplete and a reply to the Bureau's telefax seeking for missing information is received on or before 21 May 2020, the formal date of receipt and the date of protection shall be 21 May 2020. If the reply to the Bureau's telefax is received after 21 May 2020, the date of protection shall be the same as the formal date of receipt established in accordance with the Rule of Procedure on the receivability of the notice. The established date of protection shall be used for the Bureau's examination under relevant provisions of RR Appendices 30 and 30A. For submissions with the same formal date of receipt, the Bureau shall mutually take them into account in its technical and regulatory examination.

b) **Resolves 3** on the date of receipt of submissions

Submissions referred to in resolves 3 (i.e. submissions under § 4.1.3 of RR Appendix 30 in the frequency bands 11.7-12.5 GHz and feeder-links assignments in the frequency bands 14.5-14.8 GHz and 17.3-18.1 GHz of RR Appendix 30A) at an orbital position of orbital arcs for which the limitations of Annex 7 to RR Appendix 30 (Rev.WRC-15) were suppressed by WRC-19 and not meeting the specified requirements in § 1 of the Attachment to that Resolution, shall have a common date of receipt of 22 May 2020. For those submissions, the date of protection shall be the same as the formal date of receipt established in accordance with the Rule of Procedure on the receivability of the notice. The established date of protection shall be used for the Bureau's examination under relevant provisions of RR Appendices 30 and 30A. For submissions with the same formal date of receipt, the Bureau shall mutually take them into account in its technical and regulatory examination.

c) Submissions under § 4.1.12 of RR Appendix 30/30A of the satellite networks applying that Resolution

During the frequency coordination, the notifying Administration may change the beam from elliptical to shaped. Therefore, the Bureau shall accept submissions of satellite networks applying that Resolution and containing a shaped beam under § 4.1.12 of RR Appendices **30** and **30A**, if the characteristics of the submission under § 4.1.12 are within the envelope of the characteristics of submission under § 4.1.3.

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5 Calculation of the minimum geocentric orbital separation referred to in resolves 1 and 2 of Resolution COM5/4 (WRC-19)

When calculating the minimum geocentric orbital separation between the wanted and interfering space stations, the Bureau shall take into account the East-West station-keeping accuracies of the FSS and BSS space stations so that the two space stations are the closest.

6 In relation with the specific case of the Administration of South Sudan, which currently does not have any frequency assignments in the Plans of RR Appendices 30 and 30A, WRC-19 decided that the Administration of South Sudan may apply Resolution COM5/3 (WRC-19) and instructed the Radiocommunication Bureau to accept such submission from the administration of South Sudan."*

* *Note by the Secretariat*: The definitive numbers of Resolutions COM5/2 (WRC-19), COM5/3 (WRC-19) and COM5/4 (WRC-19) are Resolutions 558 (WRC-19), 559 (WRC-19) and 768 (WRC-19), respectively.

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(ADD RRB20/85)

Note: WRC-19 took the decision related to Annexes 3 and 4 of Appendix **30B**, during the 10th Plenary, see items 13.7 to 13.9 of Doc. CMR19/571, approval of Doc. CMR19/510 (see also the Rules of Procedure on Resolution **170** (**WRC-19**)), as follows:

"Instructions to the Radiocommunication Bureau in application of Annex 3 and Annex 4 of RR Appendix 30B as well as of criteria referred to in Resolution [A7(E)-AP30B] (WRC-19) in its processing, after 22 November 2019, of submissions received under that Appendix

The Radiocommunication Bureau shall continue to calculate and update already accepted single-entry values in both uplink and downlink for all RR Appendix **30B** satellite networks in consistency with footnotes X2 and X3 to item 2.1 of the Annex 4 of RR Appendix **30B** (**Rev.WRC-19**), so that this information could be used by administrations during coordination of their respective networks. The Radiocommunication Bureau shall apply:

- *I For complete submissions under § 6.1 received by the Bureau before 23 November 2019:*
 - *a)* Annex 3 (WRC-07) in its examination under § 6.3 b);
 - b) Annex 4 (Rev.WRC-07) in its examination under § 6.5.

Note: Including protection of submissions under Issue E examined before Part A.

- 2 For complete submissions under § 6.17 received by the Bureau before 23 November 2019:
 - *a)* Annex 3 (WRC-07) in its examination under § 6.19 c);
 - b) Annex 4 (Rev.WRC-07) in its examination under § 6.21;
 - c) Annex 4 (Rev.WRC-07) in its further examination under the new footnote to § 6.21 c);
 - d) Annex 4 (Rev.WRC-07) in its examination under § 6.22.

Note: Including protection of submissions under Issue E examined before Part B.

- 3 For complete submissions under § 6.17 received by the Bureau after 22 November 2019, related to complete submissions under § 6.1 received by the Bureau before 23 November 2019:
 - *a)* Annex 3 (WRC-07) in its examination under § 6.19 c);
 - b) Annex 4 (Rev.WRC-07) in its examination under § 6.21;
 - c) Annex 4 (Rev.WRC-07) in its further examination under footnote YY to § 6.21 c) if the remaining affected assignments are recorded in the List before 23 November 2019;
 - d) Annex 4 (Rev.WRC-19) in its further examination under footnote YY to § 6.21 c) if the remaining affected assignments are recorded in the List after 22 November 2019;
 - e) Annex 4 (Rev.WRC-19) in its examination under § 6.22.

Note: Including protection of submissions under Issue E examined before Parts A and/or B.

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- 4 For complete submissions under § 6.1 received by the Bureau after 22 November 2019:
 - a) Annex 3 (Rev.WRC-19) in its examination under § 6.3 b);
 - b) Annex 4 (Rev.WRC-19) in its examination under § 6.5.
- 5 For complete submissions under § 6.17 received by the Bureau after 22 November 2019, related to complete submissions under § 6.1 received by the Bureau after 22 November 2019:
 - a) Annex 3 (Rev.WRC-19) in its examination under § 6.19 c);
 - b) Annex 4 (Rev.WRC-19) in its examination under § 6.21;
 - c) Annex 4 (Rev.WRC-19) in its examination under § 6.22.
- 6 For complete submissions under § 6.1 in application of Resolution [A7(E)-AP30B] (WRC-19):
 - a) Annex 3 (Rev.WRC-19) in its examination under § 6.3 b);
 - b) Annex 4 (Rev.WRC-19) and the new criteria referred to in Resolution [A7(E)-AP30B] (WRC-19) in its examination under § 6.5, as appropriate.

Note: Including examination of submissions under Issue E before the examination of the last normal Part A and/or Part B received before 23 November 2019.

- 7 For complete submissions under § 6.17 in application of Resolution [A7(E)-AP30B] (WRC-19), the Bureau shall apply:
 - a) Annex 3 (Rev.WRC-19) in its examination under § 6.19 c);
 - b) Annex 4 (Rev.WRC-19) and the new criteria referred to in Resolution [A7(E)-AP30B] (WRC-19) in its examination under § 6.21, as appropriate;
 - c) Annex 4 (Rev.WRC-19) and the new criteria referred to in Resolution [A7(E)-AP30B] (WRC-19) in its further examination under footnote YY to § 6.21 c), as appropriate;
 - *d)* Annex 4 (Rev.WRC-19) and the new criteria referred to in Resolution [A7(E)-AP30B] (WRC-19) in its examination under § 6.22, as appropriate.

Application of § 6.16:

- In excluding the territories of the concerned administration, the Bureau shall apply Annex 4 (Rev.WRC-07) until the last complete submissions under § 6.1 or § 6.17 received by the Bureau before 23 November 2019 has been examined and Annex 4 (Rev.WRC-19) afterward.
- If § 6.16 request is submitted in order to be taken into account for the examination of a complete submissions under § 6.17, in examining those submissions, the Bureau shall apply appropriate Annex 4 used in the examination under § 6.21 and § 6.22 as indicated above.

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Application of § 6.27 in updating criteria:

The Bureau shall apply Annex 4 (Rev.WRC-07) until the last complete submissions under § 6.1 or § 6.17 received by the Bureau before 23 November 2019 has been examined and Annex 4 (Rev.WRC-19) afterward.

Application of § 7.5:

- For a request under Article 7 received before 23 November 2019, the Bureau shall apply Annex 3 (WRC-07) and Annex 4 (Rev.WRC-07).
- For a request under Article 7 received after 22 November 2019, the Bureau shall apply Annex 3 (Rev.WRC-19) and Annex 4 (Rev.WRC-19).

In its examination under 6.21 c), the Bureau shall take into account also complete submissions under § 6.1 in application of Resolution [A7(E)-AP30B] (WRC-19) and Article 7 request transferred to Article 6 under § 7.7 that has been examined before the date of receipt of the examined notice submitted under § 6.1."*

* Note by the Secretariat: The definitive number of Resolution [A7(E)-AP30B] WRC-19 (WRC-19)] is Resolution 170 (WRC-19). Furthermore, the definitive numbers of footnotes X1, X2 and YY in Appendix 30B are 17^{bis}, 20^{bis} and 7^{bis} respectively. Finally, "submissions under issue E" referred to submissions under the special procedure described in Attachment 1 to Resolution 170 (WRC-19).

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Annex 4

Criteria for determining whether an allotment or an assignment is considered to be affected

2.1	(MOD RRB20/84)
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1 In order to adequately protect the existing networks in their entire downlink service area, an examination based on a single-entry criterion over the downlink service area was introduced under § 2.1 of Annex 4 of Appendix **30B**.

2 As indicated in footnote 19 to § 2.1 of Annex 4 of Appendix **30B** (**Rev.WRC-19**), the reference values within the downlink service area are interpolated from the reference values on the corresponding test points. The following interpolation formula and condition shall be used to calculate the interpolated values at grid points⁴ within the downlink service area:

$$V_{Eg} = \frac{\sum_{h=1}^{Nt} R_{Th} \times (d_{Th})^{-2}}{\sum_{h=1}^{Nt} (d_{Th})^{-2}}$$
(1)

where:

- *Th*: test point number h of the wanted downlink service area;
- *Eg*: point number g of the grid of examination points on the wanted downlink service area;
- Nt: total number of test points;
- d_{Th} : distance between the test point Th and the grid point Eg;
- *R_{Th}*: single entry *C/I* reference value (dB) at the test point *Th* (i.e. 26.65 dB, or $(C/N)_d + 11.65$ dB, whichever is the lowest);
- V_{Eg} : interpolated single entry C/I reference value (dB) at the grid point Eg.

If the value $(R_{Th} - ((C/N)_{d,Th} - (C/N)_{d,Eg}))$ is lower than R_{Th} , then $(R_{Th} - ((C/N)_{d,Th} - (C/N)_{d,Eg}))$ shall be used in (1) instead of R_{Th} ,

where:

 $(C/N)_{d,Th}$: the downlink C/N value at test point Th; $(C/N)_{d,Eg}$: the downlink C/N value at grid point Eg.

3 If the interpolated value V_{Eg} is higher than $(C/N)_{d, Eg} + 11.65$ dB, $(C/N)_{d, Eg} + 11.65$ dB shall be used as the reference value for grid point Eg. Otherwise, the interpolated value is the reference value.

⁴ The service area is regularly covered by a grid of points located on land and inside the service area.

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Footnote 10 to § 2.1 of Appendix 1 to Attachment 1 to Resolution **170** (WRC-19) refers to the same interpolation method as above. Therefore, when applying § 2.1 of Appendix 1 to Attachment 1 to Resolution **170** (WRC-19), the method contained in §§ 2 and 3 above shall be used to calculate the interpolated values at grid points within the downlink service area with the following modifications:

 R_{Th} shall be defined as the single entry C/I reference value (dB) at the test point Th (i.e. 23.65 dB, or (C/N)d + 8.65 dB, or any already accepted value, whichever is the lowest);

a value of $(C/N)_{d, Eg}$ +8.65 dB shall be used instead of $(C/N)_{d, Eg}$ +11.65 dB.



(ADD RRB20/85)

Note: WRC-19 took the decision related to grid points and test points at sea, during the 8th Plenary, see items 3.11 to 3.15 of Doc. CMR19/569, approval of Doc. CMR19/451, in relation to section 3.2.5.6 of Doc. CMR19/4 (Add.2), as follows:

"In considering section 3.2.5.6 on 'Grid points at sea in the examination using the methods of Annex 4 of RR Appendix **30B**', WRC-19 decided that only grid points that are located on land and inside the service area should be considered in addition to test-points in application of paragraph 2.2 of Annex 4 to Appendix **30B**. In taking this decision WRC-19 acknowledged that, should the use of Appendix **30B** expand beyond its current use, it may be necessary to reconsider this decision in the future. WRC-19 also decided that test-points at sea shall not be taken into account by the Radiocommunication Bureau in its technical and regulatory examination of the relevant submissions received by the Bureau."

Appendix 1 to Annex 4

(ADD RRB20/85)

Method for determination of the overall single-entry and aggregate carrierto-interference value averaged over the necessary bandwidth of the modulated carrier

2. Aggregate *C*/*I*

Taking into account the orbital spacing values contained in §§ 1.1 and 1.2 of Annex 4 to Appendix **30B** (**Rev.WRC-19**), the Board decided that, in calculating the aggregate (*C/I*)*agg* at a given downlink test point, the Bureau shall take into account only the interfering allotments or assignments for which the orbital separation with the desired satellite is less than or equal to 7° in the case of the 6/4 GHz bands and less than or equal to 6° in the case of the 13/10-11 GHz bands.

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(ADD RRB20/85)

Rules concerning

RESOLUTION 170 (WRC-19)

Note 1: WRC-19 took the decision related to Resolution **170**, during the 10th Plenary, see items 12.2 to 12.4 of Doc. CMR19/571, approval of Doc. CMR19/509, see also the Rules of Procedure on Annexes 3 and 4 of Appendix **30B**), as follows:

"Instructions to the Radiocommunication Bureau in application of Resolution [A7(E)-AP30B] (WRC-19)

1 Application of the § 2 of the attachment of Resolution [A7(E)-AP30B] (WRC-19) for modification under § 6.1 of RR Appendix 30B of a submission previously sent to the Bureau under § 6.1 of RR Appendix 30B

When, under the application of § 2 of the attachment of Resolution [A7(E)-AP30B] (WRC-19), an administration intends to modify a submission previously sent to the Bureau under § 6.1 of RR Appendix 30B, to resubmit such submission under § 6.1 of RR Appendix 30B applying the special procedure described in the Attachment of Resolution [A7(E)-AP30B] (WRC-19), the Bureau shall verify if the minimum ellipse submitted under this procedure is within the envelope of the initial submission under § 6.1 of RR Appendix 30B. If this is the case, the Bureau shall keep the initial date of receipt of the initial submission under § 6.1 of RR Appendix 30B, shall restart compatibility examination with existing filing and shall publish a new special section. Otherwise, the Bureau shall give a new date of reception which is the date of reception of request application of this procedure.

2 Application of the § 2 of the attachment of Resolution [A7(E)-AP30B] (WRC-19) for direct submission under § 6.17 of RR Appendix 30B of a submission previously sent to the Bureau under § 6.1 of RR Appendix 30B

a) Submission of an ellipse under § 6.17 of RR Appendix 30B

When, under the application of § 2 of the attachment of Resolution [A7(E)-AP30B] (WRC-19), an administration intends to directly submit under § 6.17 of RR Appendix 30B and apply the special procedure described in the Attachment of Resolution [A7(E)-AP30B] (WRC-19) to a submission previously sent to the Bureau under § 6.1 of RR Appendix 30B, the Bureau shall verify if the minimum ellipse submitted under this procedure is within the envelope of the initial submission under § 6.1 of RR Appendix 30B. If this is the case, the Bureau shall keep the initial date of receipt of the initial submission under § 6.1 of RR Appendix 30B and shall perform analysis under § 6.17 of Appendix 30B based on this minimum ellipse. Otherwise, the Bureau shall return the notice to the administration.

b) Submission of a shaped beam under § 6.17 of Appendix 30B

When, under the application of § 2 of the attachment of Resolution [A7(E)-AP30B] (WRC-19), an administration intends to directly submit under § 6.17 of RR Appendix 30B and apply the special procedure described in the Attachment of Resolution [A7(E)-AP30B] (WRC-19) to a submission previously sent to the Bureau under § 6.1 of RR Appendix 30B, the Bureau shall verify if the shaped beam submitted under this procedure is within the envelope of the minimum ellipse generated by the Bureau, considering associated test points, and within the envelope of the initial submission under § 6.1 of RR Appendix 30B. If this is the case, the Bureau shall keep the initial date of receipt of the initial submission under § 6.1 of RR Appendix 30B and shall perform analysis under § 6.17 of RR Appendix 30B based on this minimum ellipse. Otherwise, the Bureau shall return the notice to the administration.

3 Beam to be created in cases of submissions of an additional system by an administration acting on behalf of a group of named administrations

For a submission of an additional system by an administration acting on behalf of a group of named administrations, the beam of the submission is formed by combining all individual minimum ellipses associated with each of the administrations of the group:

- If all individual minimum ellipses overlap with each other, the beam contains only one coverage area formed by the contours stemming from the combination of all individual minimum ellipses.
- If not all individual minimum ellipses overlap with each other, the beam consists of multiple spots stemming from the non-overlapping ellipses and each spot is formed by the contours stemming from the combination of individual minimum ellipses that overlap with each other.

4 Application of the § 12 of the attachment of Resolution [A7(E)-AP30B] (WRC-19) when there is a lack of collaboration of the notifying administration of the existing network

When, under the application of § 12 of the attachment of Resolution [A7(E)-AP30B] (WRC-19), the Bureau does not receive confirmation from the notifying administration of the incoming network that the collaboration between the two administrations has successfully started, the notifying administration may seek assistance of the Bureau. The Bureau shall immediately send a telefax to the notifying administration of the existing network requesting it to provide within 30 days the conditions for the operation to verify harmful interference and proposed date of the implementation of those conditions within the next 4 months for the application of § 12 of Resolution [A7(E)-AP30B]. In the absence of such information received by the Bureau, the Bureau shall immediately send a reminder providing an additional 15-day period for the response. In the absence of such acknowledgment within 15 days, it shall be deemed that the notifying administration of the existing network which has failed to start collaboration has undertaken that no complaint will be made in respect of any harmful interference affecting its own assignments which may be caused by the assignment of the notifying administration of the incoming network for which coordination was requested."*

*Note by the Secretariat: The definitive number of Resolution [A7(E)-AP30B] (WRC-19) is Resolution 170 (WRC-19).

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(ADD RRB20/85)

Rules concerning

RESOLUTION 750 (Rev.WRC-19)

Note: WRC-19 took the decision related to Resolution **750**, during the 8th Plenary, see items 3.19 to 3.21 of Document CMR19/569, approval of Doc. CMR19/471, as follows:

"In interpreting Resolution **750** (*Rev.WRC-15*), resolves 1 and Table 1-1 of this resolution referred to mandatory limits while resolves 2 and Table 1-2 of this resolution referred to non-mandatory limits."

Noting that WRC-19 revised Resolution 750 but that the only modifications made to *resolves* 1 and 2 were related to the numbering of the two Tables, the Board concluded that the interpretation provided above also applied to Resolution **750** (**Rev. WRC-19**).

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PART B

SECTION B6

Rules concerning criteria for applying the provisions of No. 9.36 to a frequency assignment in the terrestrial services whose allocation or identification is governed by Nos. 5.292, 5.293, 5.295, 5.296A, 5.297, 5.308, 5.308A, 5.309, 5.323, 5.325, 5.326, 5.341A, 5.341C, 5.346, 5.346A, 5.429D, 5.429F, 5.430A, 5.431A, 5.431B, 5.432B, 5.434¹ and 5.553A (MOD RRB20/85)

1 The identification of the administrations with which coordination may need to be effected is based on the characteristics of the assignment that is subject to the procedure of No. **9.21** and the worst-case assumptions relating to the propagation characteristics and other technical parameters. These worst-case assumptions were developed on the basis of the information contained in various sources (GE06 Regional Agreement, ITU-R Recommendations and Reports), since the Radiocommunication Bureau has no Technical Standards for application in several frequency bands above 28 MHz.

2 For identification of the administrations whose agreement may need to be obtained, in the context of the provisions of Nos. 5.292, 5.293, 5.295, 5.296A, 5.297, 5.308, 5.308A, 5.309, 5.323, 5.325, 5.326, 5.341A, 5.341C, 5.346, 5.346A, 5.429D, 5.429F, 5.430A, 5.431A, 5.431B, 5.432B, 5.434 and 5.553A, the following criteria are applied: (MOD RRB20/85)

2.1 the *coordination distance concept* is applied with respect to the services that are allocated according to Article **5** (these services are indicated in the Table below under the heading "Protected service");

¹ See also Rules of Procedure to Nos. **5.312A**, **5.316B**, **5.341A** and **5.346**.

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TABLE 1

Applicability of No. 9.21 (MOD RRB20/85)

Footnote	Frequency band (MHz)	Allocated service (No. 9.21)	Protected service	
5.292 ¹	292 ¹ 470-512		BS	
5.293 ¹	.293 ¹ 470-512 and 614-806		BS	
5.295	470-512	LMS (IMT)	BS, FS	
	512-608	LMS (IMT)	BS	
5.296A	470-698	LMS (IMT)	BS, FS	
	585-610	LMS (IMT)	RNS	
5.297 512-608		FS, MS	BS	
5.308 614-698		MS	BS	
5.308A 614-698		MS (IMT)	BS	
5.309 ¹	9 ¹ 614-806		BS, MS	
5.323	23 862-960		FS, MS	
5.325 ¹ 890-942		RLS	FS, MS	
5.326 ¹	326 ¹ 903-905		MS FS	
5.341A ²	1 429-1 452	LMS (IMT)	AMS	
	1 492-1 518			
5.341C	1 429-1 452	LMS (IMT)	AMS	
	1 492-1 518			
5.346 ²	1 452-1 492	LMS (IMT)	AMS	
5.346A	1 452-1 492	LMS (IMT)	AMS	
5.429D	3 300-3 400	LMS (IMT)	RLS	
5.429F	3 300-3 400	LMS (IMT)	RLS	
5.430A	3 400-3 600	LMS, MMS	FS, FSS	
5.431A and 5.432B	3 400-3 500	LMS, MMS	FS, FSS	
5.431B	3 400-3 600	LMS (IMT)	FS, FSS	
5.434	3 600-3 700	LMS (IMT)	FS, FSS	
5.553A	45 500-47 000	LMS (IMT)	AMS, RNS	

¹ Different category of service.

² For frequency assignments subject to this provision the No. **9.21** procedure does not apply to those administrations whose territories are outside of the distances specified in the corresponding Rules of Procedure on No. **5.341A** and No. **5.346**.

2.2 The *case-by-case* verification is performed for the assignments submitted under the procedure of No. **9.21**. This verification consists in determining the distance from the location of a station subject to No. **9.21** to the border of a neighbouring country. In case this distance is shorter than the respective coordination distance, the administration of this neighbouring country is identified as affected.

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3.9 For the protection of stations of the aeronautical mobile and radionavigation services in the frequency band 45.5-47 GHz from IMT systems in the context of the provision of No. **5.553A**, the coordination distance is contained in Table 4. (ADD RRB20/85)

TABLE 4 (ADD RRB20/85)

nom the hviri systems in the frequency band between 45.5-47 GHz						
Footnote	Frequency range (GHz)	Allocated service (application) (No. 9.21)	Protected service	Coordination distance (km)		
5.553A	45.5-47	LMS (IMT)	AMS, RNS	65		

Coordination distance for protection of the AMS and RNS from the IMT systems in the frequency band between 45.5-47 GHz

Note: The coordination distance was calculated using a method based on Recommendation ITU-R P.676-12 for atmospheric attenuation in addition to Recommendation ITU-R P.525-4 for free space loss. The protection criteria (I/N) - 6 dB, receiver antenna gain 27 dBi and noise figure 4 dB were taken from Recommendation ITU-R M.2115-0 for the aeronautical mobile service airborne station in the frequency band 45.5-47 GHz. The maximum e.i.r.p. density value of 25.2 dB(W/200 MHz) was used for the IMT base station. This value was taken from ITU-R studies conducted during preparations for WRC-19 agenda item 1.13.