



*Radiocommunication Bureau*

*(Direct Fax N°. +41 22 730 57 85)*

Circular Letter  
CCRR/27

15 September 2005

## To Administrations of Member States of the ITU

**Subject:** Draft Rules of Procedure

### To the Director General

Dear Madam/Sir,

Please find enclosed proposals for modification of some current Rules of Procedure. These proposals reflect the relevant decisions of WRC-03, as well as the related developments since WRC-2000, and are presented in two Annexes as follows:

**Annex 1:** Modification of the Rule of Procedure relating to No. **9.11A** of Article **9** of the Radio Regulations;

**Annex 2:** New Rule of Procedure relating to No. **5.506A** of Article **5** of the Radio Regulations.

In accordance with No. **13.17** of the Radio Regulations, these proposals are made available to administrations for comment before being submitted to the RRB pursuant to No. **13.14**.

In this connection, the Bureau wishes to draw the attention of administrations to No. **13.12A d)** and **f)** which have entered into force on 1 January 2005 and which stipulate that:

**“13.12A** In the preparation and development of the Rules of Procedure, the Board, the Bureau and administrations shall apply the following steps:

...

*d)* any comments on these draft Rules of Procedure from administrations shall be submitted to the Bureau at least four weeks before the start of the Board meeting;

...

*f)* all comments from administrations shall be posted on the ITU website. However, those comments that do not meet the above time-limits shall not be considered by the Board;”

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In accordance with No. **13.12A** of the Radio Regulations, any comments that you may wish to submit should reach the Bureau no later than **6 November 2005**, in order to be considered at the 39<sup>th</sup> Meeting of the RRB, scheduled for 5-9 December 2005. All e-mail comments should be sent to: [brmail@itu.int](mailto:brmail@itu.int).

Yours faithfully,

V. Timofeev  
Director, Radiocommunication Bureau

**Annexes: 2**

Distribution:

- Administrations of Member States of the ITU
- Members of the Radio Regulations Board
- Director and Heads of Department of the Radiocommunication Bureau

## ANNEX 1

### Modifications to the Rule of Procedure relating to No. 9.11A

*Reasons:* While agreeing to some modifications to the Rule of Procedure relating to No. 9.11A at its 36<sup>th</sup> meeting, the Board also noted that the Bureau would review Tables 9.11A-1 and 2 of the Rule to take account of comments on the presentation of Tables 9.11A-1 and 2 made by the Administration of France, and propose modifications to a forthcoming meeting of the Board.

In addition to minor modifications relating to changes in the allocation of some services by 1 January 2005, the proposed draft modifications to Table 9.11A-1 include a new column (named “Applicable Nos. 9.12 to 9.14 provision(s)”) to reflect the fact that certain services in certain bands are subject to only some of the provisions covered by No. 9.11A, since Nos. 9.12, 9.12A, 9.13 and 9.14 can be applied independently.

In order to also clarify the applicability of Nos. 9.15 and 9.16 vis-à-vis Nos. 9.17 and 9.18, Table 9.11A-2 has been reviewed to include under Nos. 9.15 and 9.16 coordination requirements referring only to earth stations of a non-geostationary satellite network in a space service for which the requirement to coordinate is included by name in a footnote to the Table of Frequency allocations referring to the provisions of No. 9.11A. Earth stations of geostationary satellite network of the named space service and earth stations of other space services allocated with equal rights with the service referring to No. 9.11A shall, unless otherwise specified, apply the provisions of No. 9.17 for their relation with terrestrial services, and vice versa terrestrial stations shall apply the provisions of No. 9.18 vis-à-vis earth stations of these spaces services, as appropriate.

MOD 

9.11A
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2.4 WRC-2000 decided ....based on the following considerations:

...

b) No. 9.15 applies to an earth station of a non-GSO satellite network in a frequency band allocated with equal rights to space and terrestrial services, where the allocation to the space service (non-GSO) includes Earth-to-space and/or space-to-Earth direction frequency allocations of a non-GSO satellite network and for which the requirement to coordinate refers to which No. 9.11A refers only, i.e. coordination of a transmitting earth station in respect of receiving terrestrial stations and coordination of a receiving earth station in respect of transmitting terrestrial stations, if the coordination area of the earth station in a non-GSO satellite network includes the territory of another country (see also Appendix 5).

c) No. 9.16 applies to a transmitting station of a terrestrial service in a frequency band allocated with equal rights to space and terrestrial services, where the allocations to the space service (non-GSO) includes space-to-Earth direction frequency allocations of a non-GSO satellite network and for which the requirement to coordinate refers to which No. 9.11A refers only, i.e. coordination of a transmitting terrestrial station within the coordination area of a receiving earth station in a non-GSO satellite network.

**TABLE 9.11A-1**

**Applicability of the provisions of Nos. 9.11A-9.14 to stations of space services**

1	2	3		4		5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Space services mentioned in a footnote referring to Nos. 9.11A, 9.12, 9.12A, 9.13 or 9.14, as appropriate		Other space services to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate		Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	Terrestrial services in respect of which No. 9.14 apply equally	Notes
137-137.025 137.175-137.825	<b>5.208</b>	MOBILE-SATELLITE (non-GSO)	↓	SPACE OPERATION METEOROLOGICAL-SATELLITE SPACE RESEARCH	↓	<b>9.12, 9.12A, 9.13, 9.14</b>	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)	1
137.025-137.175 137.825-138	<b>5.208</b>	Mobile-satellite (non-GSO)	↓	---	↓	<b>9.12, 9.14</b>	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 (OR) (in countries other than those listed in Nos. 5.204 and 5.206)	
148-149.9	<b>5.219</b>	MOBILE-SATELLITE (non-GSO)	↑	--- (See No. 5.219)		<b>9.12</b>	--- (See No. 5.219)	
149.9-150.05	<b>5.220</b>	MOBILE-SATELLITE (non-GSO)* * Limited to LMSS system until 1.1.2015 (see No. 5.224A)	↑	--- (See No. 5.220)		<b>9.12</b>	---	
312-315	<b>5.255</b>	Mobile-satellite (non-GSO)	↑	---		<b>9.12</b>	---	
312-315	<b>5.255</b>	Mobile-satellite (non-GSO)	↑	Mobile-satellite (non-GSO) (5.254) Mobile-satellite (GSO) (5.254)	↓ ↓↑	<b>9.12, 9.12A, 9.13</b>	--- (See No. 5.254)	2

1	2	3		4		5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Space services mentioned in a footnote referring to Nos. 9.11A, 9.12, 9.12A, 9.13 or 9.14, as appropriate		Other space services to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate		Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	Terrestrial services in respect of which No. 9.14 apply equally	Notes
387-390	5.255	Mobile-satellite (non-GSO)	↓	---		9.12	---	
387-390	5.255	Mobile-satellite (non-GSO)	↓	Mobile-satellite (non-GSO) (5.254) Mobile-satellite (GSO) (5.254)	↓ ↓↑	9.12, 9.12A, 9.13	--- (See No. 5.254)	2
399.9-400.05	5.220	MOBILE-SATELLITE (non-GSO) * * Limited to LMSS system until 1.1.2015 (see No. 5.224A)	↑	--- (See No. 5.220)		9.12	---	
400.15-401	5.264	MOBILE-SATELLITE (non-GSO)	↓	METEOROLOGICAL-SATELLITE SPACE RESEARCH	↓	9.12, 9.12A, 9.13, 9.14	FIXED (5.262) MOBILE (5.262) METEOROLOGICAL AIDS	1
454-455	5.286A	MOBILE-SATELLITE (non-GSO) (5.286D, 5.286E)	↑	---		9.12	--- (See Nos. 5.286B and 5.286C)	
455-456 459-460	5.286A	MOBILE-SATELLITE (non-GSO) (Region 2 (5.286E))	↑	---		9.12	--- (See Nos. 5.286B and 5.286C)	
1 164-1 215	5.328B	RADIONAVIGATION-SATELLITE	↓ ↔	---		9.12, 9.12A, 9.13	---	
1 215-1 260	5.328B	RADIONAVIGATION-SATELLITE	↓ ↔	--- (See No. 5.332)		9.12, 9.12A, 9.13	--- (See No. 5.329)	
1 260-1 300	5.328B	RADIONAVIGATION-SATELLITE	↓ ↔	EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active)		9.12, 9.12A, 9.13	--- (See No. 5.329)	
1 518-1 525	5.348	MOBILE-SATELLITE ( except USA (5.344))	↓	---		9.12, 9.12A, 9.13, 9.14	FIXED MOBILE (except on the territory of USA in Region 2, see No. 21.16)	
1 525-1 530	5.354	MOBILE-SATELLITE	↓	SPACE OPERATION (No. 9.14, Region 2 only, see No. 21.16)	↓	9.12, 9.12A, 9.13, 9.14	FIXED (Region 1, Region 3, see also No. 5.352A) LAND MOBILE (5.349) MARITIME MOBILE (5.349) AERONAUTICAL MOBILE (5.342, 5.350)	

1	2	3		4		5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Space services mentioned in a footnote referring to Nos. 9.11A, 9.12, 9.12A, 9.13 or 9.14, as appropriate		Other space services to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate		Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	Terrestrial services in respect of which No. 9.14 apply equally	Notes
1 530-1 535	5.354	MOBILE-SATELLITE	↓	SPACE OPERATION	↓	9.12, 9.12A, 9.13, 9.14	AERONAUTICAL MOBILE (5.342)	
1 535-1 545	5.354	MOBILE-SATELLITE	↓	---		9.12, 9.12A, 9.13	---	
1 545-1 550	5.354	MOBILE-SATELLITE	↓	---		9.12, 9.12A, 9.13, 9.14	AERONAUTICAL MOBILE (R) (5.357)	3
1 550-1 555	5.354	MOBILE-SATELLITE	↓	---		9.12, 9.12A, 9.13, 9.14	FIXED (5.359) AERONAUTICAL MOBILE (R) (5.357)	3
1 555-1 559	5.354	MOBILE-SATELLITE	↓	---		9.12, 9.12A, 9.13, 9.14	FIXED (5.359)	
1 559-1 610	5.328B	RADIONAVIGATION-SATELLITE	↓ ↔	---		9.12, 9.12A, 9.13	---	
1 610-1 626.5	5.364	MOBILE-SATELLITE (except S (5.363)) RADIODETERMINATION-SATELLITE (Region 2 (except country in No. 5.370), countries in No. 5.369)	↑	AERONAUTICAL MOBILE-SATELLITE (R) (5.367)	↓↑	9.12, 9.12A, 9.13	---	
1 610-1 626.5	5.364	Radiodetermination-satellite (Region 1 (5.371), Region 3, country in No. 5.370))	↑	---		9.12, 9.12A, 9.13	---	
1 613.8-1 626.5	5.365	Mobile-satellite	↓	---		9.12, 9.12A, 9.13, 9.14	Fixed (5.355)	
1 626.5-1 660.5	5.354	MOBILE-SATELLITE	↑	---		9.12, 9.12A, 9.13	---	
1 668-1 668.4	5.379B	MOBILE-SATELLITE	↑	SPACE RESEARCH		9.12, 9.12A, 9.13		
1 668.4-1 670	5.379B	MOBILE-SATELLITE	↑	---		9.12, 9.12A, 9.13	---	
1 670-1 675	5.379B	MOBILE-SATELLITE	↑	METEOROLOGICAL-SATELLITE	↓	9.12, 9.12A, 9.13	---	6
1 980-2 010	5.389A	MOBILE-SATELLITE	↑	---		9.12, 9.12A, 9.13	---	
2 010-2 025	5.389C	MOBILE-SATELLITE (Region 2)	↑	---		9.12, 9.12A, 9.13	---	
2 160-2 170	5.389C	MOBILE-SATELLITE (Region 2)	↓	---		9.12, 9.12A, 9.13, 9.14	FIXED (Region 2) MOBILE (Region 2) (see also No. 5.389E)	

1	2	3		4		5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Space services mentioned in a footnote referring to Nos. 9.11A, 9.12, 9.12A, 9.13 or 9.14, as appropriate		Other space services to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate		Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	Terrestrial services in respect of which No. 9.14 apply equally	Notes
2 170-2 200	5.389A	MOBILE-SATELLITE	↓	---		9.12, 9.12A, 9.13, 9.14	FIXED MOBILE (see also No. 5.389F)	
2 483.5-2 500	5.402	MOBILE-SATELLITE RADIODETERMINATION-SATELLITE (Region 2 and Region 1/Region 3 countries in No. 5.400)	↓	---		9.12, 9.12A, 9.13, 9.14	FIXED MOBILE RADIOLOCATION (Region 2, Region 3 and country in No. 5.397) (see also No. 5.399)	
2 483.5-2 500	5.402	Radiodetermination-satellite (Region 1 and Region 3)	↓	---		9.12, 9.12A, 9.13	--- (See No. 5.399)	
2 500-2 515	5.414	MOBILE-SATELLITE (except countries in No. 5.412)	↓	FIXED SATELLITE (Region 2 and Region 3), RADIODETERMINATION-SATELLITE (5.404)	↓	9.12, 9.12A, 9.13, 9.14* *Only applicable to MSS (except in ARG, see No. 5.407)	FIXED LAND MOBILE MARITIME MOBILE RADIOLOCATION (country in No. 5.405)	
2 515-2 520	5.414	MOBILE-SATELLITE (except countries in No. 5.412)	↓	FIXED SATELLITE (Region 2 and Region 3), RADIODETERMINATION-SATELLITE (5.404) AERONAUTICAL MOBILE-SATELLITE (Countries in No. 5.415A)	↓	9.12, 9.12A, 9.13, 9.14* *Only applicable to MSS (except in ARG, see No. 5.407)) and AMSS (countries in No. 5.415A)	FIXED LAND MOBILE MARITIME MOBILE RADIOLOCATION (country in No. 5.405)	
2 520-2 535	5.403	MOBILE-SATELLITE (except AERONAUTICAL MOBILE-SATELLITE) (except countries in No. 5.412)	↓	BROADCASTING-SATELLITE, FIXED SATELLITE (Region 2 and Region 3) AERONAUTICAL MOBILE-SATELLITE (countries in No. 5.415A)	↓	9.12, 9.12A, 9.13, 9.14* *Only applicable to MSS and AMSS (countries in No. 5.415A)	FIXED LAND MOBILE MARITIME MOBILE RADIOLOCATION (country in No. 5.405)	

1	2	3		4		5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Space services mentioned in a footnote referring to Nos. 9.11A, 9.12, 9.12A, 9.13 or 9.14, as appropriate		Other space services to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate		Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	Terrestrial services in respect of which No. 9.14 apply equally	Notes
2 605-2 630	5.417B 5.417C 5.417D	BROADCASTING-SATELLITE (sound) (5.417A)	↓	BROADCASTING-SATELLITE (5.416) FIXED-SATELLITE (Region 2)	↓	9.12, 9.12A, 9.13	---	4, 5
2 630-2 655	5.418A 5.418B 5.418C	BROADCASTING-SATELLITE (sound) (5.418)	↓	BROADCASTING-SATELLITE (5.416) FIXED-SATELLITE (Region 2)	↓	9.12, 9.12A, 9.13	---	4, 5
2 655-2 670	5.420	MOBILE-SATELLITE (except AERONAUTICAL MOBILE-SATELLITE) (except countries in No. 5.412)	↑	BROADCASTING-SATELLITE FIXED SATELLITE (Region 2 and Region 3)	↓ ↑ ↓	9.12, 9.12A, 9.13	---	
2 670-2 690	5.419	MOBILE-SATELLITE (except countries in No. 5.412)	↑	FIXED SATELLITE (Region 2 and Region 3)	↑ ↓	9.12, 9.12A, 9.13	---	
5 010-5030	5.328B	RADIONAVIGATION-SATELLITE	↓ ↔	AERONAUTICAL MOBILE-SATELLITE (R) (5.367)	↑ ↓	9.12, 9.12A, 9.13	---	
5 091-5 150	5.444A	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	↑	AERONAUTICAL MOBILE-SATELLITE (R) (5.367)	↑	9.12, 9.12A, 9.13	---	
5 150-5 216	5.447A 5.447B	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	↓ ↑	RADIODETERMINATION-SATELLITE (non-GSO) (5.446), with date of bringing into use prior to 17.11.1995 (see No. 5.447C)	↓	9.12, 9.12A, 9.13	---	
5 216-5 250	5.447A	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	↑	---		9.12, 9.12A, 9.13	---	
6 700-7 075	5.458B	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	↓	FIXED-SATELLITE in bands 6 700-6 725 MHz and 7 025-7 075 MHz (see also No. 5.458C)	↑	9.12, 9.12A, 9.13	---	
10.7-11.7	5.441 5.484A	FIXED-SATELLITE (non-GSO)	↓	FIXED-SATELLITE (non-GSO) (Region 1)	↑	9.12	---	



1	2	3		4		5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Space services mentioned in a footnote referring to Nos. <b>9.11A</b> , <b>9.12</b> , <b>9.12A</b> , <b>9.13</b> or <b>9.14</b> , as appropriate		Other space services to which Nos. <b>9.12</b> to <b>9.14</b> provisions(s) apply equally, as appropriate		Applicable Nos. <b>9.12</b> to <b>9.14</b> provision(s), as appropriate	Terrestrial services in respect of which No. <b>9.14</b> apply equally	Notes
11.7-12.2	<b>5.488</b> and Res. <b>142 (WRC-03)</b>	FIXED-SATELLITE (GSO) (Region 2)	↓	---		<b>9.14</b>	FIXED (except in United States of America and Mexico (see No. <b>5.486</b> ), in the band 11.7-12.1 GHz FIXED (Regions 1 and 3) and in Peru, (see No. <b>5.489</b> ), in the band 12.1-12.2 GHz MOBILE except aeronautical mobile (Regions 1 and 3)	
11.7-12.5	<b>5.484A</b> <b>5.487A</b>	FIXED-SATELLITE (non-GSO)	↓	---		<b>9.12</b>	---	
12.5-12.7	<b>5.484A</b> <b>5.487A</b>	FIXED-SATELLITE (non-GSO)	↓	FIXED-SATELLITE (non-GSO) (Region 1) BROADCASTING-SATELLITE (non-GSO) (Region 3)	↑ ↓	<b>9.12</b>	---	
12.7-12.75	<b>5.484A</b>	FIXED-SATELLITE (non-GSO) (Region 1 and Region 3)	↓	FIXED-SATELLITE (non-GSO) (Region 1 and Region 2) BROADCASTING-SATELLITE (non-GSO) (Region 3)	↑ ↓	<b>9.12</b>		
12.75-13.25	<b>5.441</b>	FIXED-SATELLITE (non-GSO)	↑	---		<b>9.12</b>	---	
13.75-14.5	<b>5.484A</b>	FIXED-SATELLITE (non-GSO)	↑	---		<b>9.12</b>	---	
15.43-15.63	<b>5.511A</b>	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	↓ ↑	---		<b>9.12</b>	---	
15.63-15.65	<b>5.511D</b>	FIXED-SATELLITE (non-GSO)	↓	FIXED-SATELLITE	↑	<b>9.12, 9.12A, 9.13, 9.14</b>	AERONAUTICAL RADIONAVIGATION (see also No. <b>5.511D</b> )	
17.3-17.7	<b>5.516</b>	FIXED-SATELLITE (non-GSO) (Region 1 and Region 3)	↑	FIXED-SATELLITE (non-GSO) (Region 1) BROADCASTING-SATELLITE (Non-GSO) (Region 2)	↓	<b>9.12</b>	---	

1	2	3		4		5	6	7
Frequency band (MHz)	Footnote No. in Article 5	Space services mentioned in a footnote referring to Nos. 9.11A, 9.12, 9.12A, 9.13 or 9.14, as appropriate		Other space services to which Nos. 9.12 to 9.14 provisions(s) apply equally, as appropriate		Applicable Nos. 9.12 to 9.14 provision(s), as appropriate	Terrestrial services in respect of which No. 9.14 apply equally	Notes
17.7-17.8	5.516	FIXED-SATELLITE (non-GSO) (Region 1 and Region 3)	↑	FIXED-SATELLITE (non-GSO) (Region 1 and Region 3)	↓	9.12	---	
				BROADCASTING-SATELLITE (Non-GSO) (Region 2)				
17.8-18.1	5.516 5.484A	FIXED-SATELLITE (non-GSO)	↑ ↓	---		9.12	---	
18.1-18.6	5.484A	FIXED-SATELLITE (non-GSO)	↓	---		9.12	---	
18.8-19.3	5.523A	FIXED-SATELLITE	↓	---		9.12, 9.12A, 9.13	---	
19.3-19.6	5.523B	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	↑	---		9.12, 9.12A, 9.13	---	
	5.523D	FIXED-SATELLITE (GSO with coordination information received as of 18.11.1995 and non-GSO MOBILE-SATELLITE SERVICE feeder links) (see also No. 5.523C)	↓					
19.6-19.7	5.523D	FIXED-SATELLITE (GSO with coordination information received as of 22.11.1997 and non-GSO MOBILE-SATELLITE SERVICE feeder links) (see also No. 5.523E)	↓	FIXED-SATELLITE (GSO with coordination information received as of 22.11.1997 and non-GSO) (see also No. 5.523E)	↑	9.12, 9.12A, 9.13	---	
19.7-20.1	5.484A	FIXED-SATELLITE (non-GSO)	↓	MOBILE-SATELLITE (Non-GSO) (Region 2)	↓	9.12	---	
20.1-20.2	5.484A	FIXED-SATELLITE (non-GSO)	↓	MOBILE-SATELLITE (Non-GSO)	↓	9.12	---	
27.5-28.6	5.484A	FIXED-SATELLITE (non-GSO)	↑	FIXED-SATELLITE (Non-GSO) in the band 27.5-27.501 GHz (5.538)	↓	9.12	---	

1	2	3	4	5	6	7
28.6-29.1	<b>5.523A</b>	FIXED-SATELLITE	↑ ---		<b>9.12, 9.12A, 9.13</b>	---
29.1-29.5	<b>5.535A</b>	FIXED-SATELLITE (GSO (see also Nos. <b>5.523C</b> and <b>5.523E</b> ) and non-GSO MOBILE-SATELLITE SERVICE feeder links)	↑ ---		<b>9.12, 9.12A, 9.13</b>	---
29.5-29.9	<b>5.484A</b>	FIXED-SATELLITE (non-GSO)	↑	MOBILE-SATELLITE (Non-GSO) (Region 2)	↑ <b>9.12</b>	---
29.9-30	<b>5.484A</b>	FIXED-SATELLITE (non-GSO)	↑	MOBILE-SATELLITE (Non-GSO) FIXED-SATELLITE (Non-GSO) in the band 29.999-30 GHz ( <b>5.538</b> )	↑ <b>9.12</b> ↓	

*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 (WRC-03)**.
- 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 MOBILE-SATELLITE service and earth stations in the METEOROLOGICAL-SATELLITE service, see also Resolution **670 (WRC-03)**

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))	↓	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))	↓	9.15, 9.16	1
400.15-401	5.264	FIXED (5.262) MOBILE (5.262) METEOROLOGICAL AIDS	MOBILE-SATELLITE (non-GSO (5.209))	↓	9.15, 9.16	1

1	2	3	4	5	6	7
1 518-1 525	<b>5.348</b> <b>5.348A</b> <b>5.348B</b>	LAND MOBILE (except J (No. <b>5.348A</b> )) MARITIME MOBILE (except J (No. <b>5.348A</b> )) AERONAUTICAL MOBILE (In Regions 2 and 3, except J (No. <b>5.348A</b> ) and with the exception of aeronautical mobile telemetry in USA ( <b>5.348B</b> ))	MOBILE-SATELLITE (except USA ( <b>5.344</b> ))	↓	<b>9.15, 9.16</b>	1
1 525-1 530	<b>5.354</b>	FIXED (Region 1, Region 3, see also No. <b>5.352A</b> ) LAND MOBILE ( <b>5.349</b> ) MARITIME MOBILE ( <b>5.349</b> ) AERONAUTICAL MOBILE ( <b>5.342, 5.350</b> )	MOBILE-SATELLITE	↓	<b>9.15, 9.16</b>	1
1530-1535	<b>5.354</b>	AERONAUTICAL MOBILE ( <b>5.342</b> )	MOBILE-SATELLITE	↓	<b>9.15, 9.16</b>	1
1545-1550	<b>5.354</b>	AERONAUTICAL MOBILE (R) ( <b>5.357</b> )	MOBILE-SATELLITE	↓	<b>9.15, 9.16</b>	1, 2
1550-1555	<b>5.354</b>	FIXED ( <b>5.359</b> ) AERONAUTICAL MOBILE (R) ( <b>5.357</b> )	MOBILE-SATELLITE	↓	<b>9.15, 9.16</b>	1, 2
1 555-1 559	<b>5.354</b>	FIXED ( <b>5.359</b> )	MOBILE-SATELLITE	↓	<b>9.15, 9.16</b>	1
1610-1626.5	<b>5.364</b>	Fixed ( <b>5.355</b> )	Radiodetermination-satellite (Region 1 ( <b>5.371</b> ), Region 3, country in No. <b>5.370</b> )	↑	<b>9.15</b>	1
1 613.8-1 626.5	<b>5.365</b>	Fixed ( <b>5.355</b> )	Mobile-satellite	↓	<b>9.15, 9.16</b>	1
1626.5-1631.5 1634.5-1645.5	<b>5.354</b>	FIXED ( <b>5.359</b> )	MOBILE-SATELLITE	↑	<b>9.15</b>	1
1646.5-1656.5	<b>5.354</b>	FIXED ( <b>5.359</b> ) AERONAUTICAL MOBILE (R) ( <b>5.376</b> )	MOBILE-SATELLITE	↑	<b>9.15</b>	1
1668.4-1670	<b>5.379B</b>	FIXED MOBILE (except aeronautical mobile) METEOROLOGICAL AIDS	MOBILE-SATELLITE	↑	<b>9.15</b>	1, 3

1	2	3	4	5	6	7
1670-1675	<b>5.379B</b>	FIXED LAND MOBILE METEOROLOGICAL AIDS	MOBILE-SATELLITE	↑	<b>9.15</b>	1, 3, 4
1980-1990	<b>5.389A</b>	FIXED (except Region 2 countries in No. <b>5.389B</b> ) MOBILE (except Region 2 countries in No. <b>5.389B</b> ) (see also N. <b>5.389F</b> )	MOBILE-SATELLITE	↑	<b>9.15</b>	1
1990-2010	<b>5.389A</b>	FIXED MOBILE (see also No. <b>5.389F</b> )	MOBILE-SATELLITE	↑	<b>9.15</b>	1
2010-2025	<b>5.389C</b>	FIXED (Region 2) MOBILE (Region 2) (see also No. <b>5.389E</b> and <b>5.390</b> )	MOBILE-SATELLITE (Region 2)	↑	<b>9.15</b>	1
2 160-2 170	<b>5.389C</b>	FIXED (Region 2) MOBILE (Region 2) (see also Nos. <b>5.389E</b> and <b>5.390</b> )	MOBILE-SATELLITE (Region 2)	↓	<b>9.15, 9.16</b>	1
2 170-2 200	<b>5.389A</b>	FIXED MOBILE (see also No. <b>5.389F</b> )	MOBILE-SATELLITE	↓	<b>9.15, 9.16</b>	1
2 483.5-2 500	<b>5.402</b>	RADIOLOCATION (Region 2, Region 3 and country in No. <b>5.397</b> ) (see also No. <b>5.399</b> ) FIXED MOBILE	MOBILE-SATELLITE RADIODETERMINATION -SATELLITE (Region 2 and Region 1/Region 3 countries in No. <b>5.400</b> )	↓	<b>9.15, 9.16</b>	1
2 500-2 520	<b>5.414</b>	FIXED LAND MOBILE MARITIME MOBILE RADIOLOCATION (country in No. <b>5.405</b> )	MOBILE-SATELLITE (except countries in No. <b>5.412</b> )	↓	<b>9.15, 9.16</b>	1
2 520-2 535	<b>5.403</b>	FIXED LAND MOBILE MARITIME MOBILE RADIOLOCATION (country in <b>5.405</b> )	LAND MOBILE- SATELLITE (except countries in No. <b>5.412</b> ) MARITIME MOBILE- SATELLITE (except countries in No. <b>5.412</b> )	↓	<b>9.15, 9.16</b>	1

1	2	3	4	5	6	7
2655-2670	<b>5.420</b>	FIXED LAND MOBILE MARITIME MOBILE	LAND MOBILE- SATELLITE (except countries in No. <b>5.412</b> ) MARITIME MOBILE- SATELLITE (except countries in No. <b>5.412</b> )	↑	<b>9.15</b>	1
2670-2690	<b>5.419</b>	FIXED LAND MOBILE MARITIME MOBILE	MOBILE-SATELLITE (except countries in No. <b>5.412</b> )	↑	<b>9.15</b>	1
5 150-5 216	<b>5.447B</b>	AERONAUTICAL RADIONAVIGATION LAND MOBILE MARITIME MOBILE AERONAUTICAL MOBILE ( <b>5.447</b> )	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	↓	<b>9.15, 9.16</b>	1
5 150-5 250	<b>5.447A</b>	AERONAUTICAL RADIONAVIGATION	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	↑	<b>9.15</b>	1
6 700-7 075	<b>5.458B</b>	FIXED MOBILE	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	↓	<b>9.15, 9.16</b>	1
15.43-15.63	<b>5.511A</b>	AERONAUTICAL RADIONAVIGATION	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links ( <b>5.511A</b> ))	↑	<b>9.15</b>	1, 6
15.43-15.63	<b>5.511A</b>	AERONAUTICAL RADIONAVIGATION	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links ( <b>5.511A</b> ))	↓	<b>9.15, 9.16</b>	1, 5
15.63-15.65	<b>5.511D</b>	AERONAUTICAL RADIONAVIGATION	FIXED-SATELLITE (limited to non-GSO ( <b>5.511D</b> ))	↓	<b>9.15, 9.16</b>	1

1	2	3	4	5	6	7
18.8-19.3	<b>5.523A</b>	FIXED MOBILE	FIXED-SATELLITE	↓	<b>9.15, 9.16</b>	1
19.3-19.6	<b>5.523B</b>	FIXED MOBILE	FIXED-SATELLITE (limited to non-GSO MOBILE-SATELLITE SERVICE feeder links)	↑	<b>9.15</b>	1
19.3-19.6	<b>5.523B</b>	FIXED MOBILE	FIXED-SATELLITE (non- GSO MOBILE-SATELLITE SERVICE feeder links) (see also No. <b>5.523C</b> )	↓	<b>9.15, 9.16</b>	1
19.6-19.7	<b>5.523D</b>	FIXED MOBILE	FIXED-SATELLITE (non- GSO MOBILE-SATELLITE SERVICE feeder links) (see also No. <b>5.523E</b> )	↓	<b>9.15, 9.16</b>	1
28.6-29.1	<b>5.523A</b>	FIXED MOBILE	FIXED-SATELLITE (non- GSO)	↑	<b>9.15</b>	1
29.1-29.5	<b>5.535A</b>	FIXED MOBILE	FIXED-SATELLITE (non- GSO MOBILE-SATELLITE SERVICE feeder links)	↑	<b>9.15</b>	1

*Notes to Table 9.11A-2:*

- 1 See § 2.4.b) and 2.4.c) of the Rule of procedure relating to No. **9.11A** for the application of No. **9.15** and No. **9.16**.
- 2 See Rule of Procedure relating to No. **5.357**
- 3 Not subject to the provisions of No. **9.15** in respect of the METEOROLOGICAL AIDS service in countries listed in No. **5.379E**
- 4 Not subject to the provisions of No. **9.15** in respect of the FIXED and MOBILE service in USA (No. **5.379D**)
- 5 Stations in the aeronautical radionavigation service in this band are subject to power limits indicated in Recommendation ITU-R S.1340 (see No. **5.511C**)



## ANNEX 2

### Rules concerning

### ARTICLE 5 of the RR

#### ADD

#### **5.506A**

1. As from 5 July 2003, No. **5.506A** requires ship earth stations in the frequency band 14-14.5 GHz with an e.i.r.p. greater than 21 dBW to operate under the same conditions as earth stations located on board vessels, as provided in Resolution **902 (WRC-03)**. While Annex 2 of that Resolution specifies a minimum antenna diameter of 1.2 meters, Appendix 4 of the Radio Regulations does not include antenna diameter of these ship earth stations as a required data element. The Bureau is instructed to use antenna gain value of 42.5 dBi when checking the compliance with the minimum ship earth station antenna diameter requirement (the relation between gain and diameter is derived for the lowest frequency of the band, i.e.  $f = 14$  GHz, and antenna efficiency of 57.2%).

*Reason: The purpose of this Rule is to define the way to check compliance with minimum antenna diameter requirement without specifying an additional data element for ship earth stations in the frequency band 14-14.5 GHz. The relation between gain and diameter in this Rule is derived for the lowest frequency of the band, i.e.  $f = 14$  GHz, and a reasonably low antenna efficiency of 57.2 %. This results in the largest possible antenna diameter for the gain value of 42.5 dBi proposed in this Rule.*