

# TRACTATENBLAD

VAN HET

KONINKRIJK DER NEDERLANDEN

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JAARGANG 2007 Nr. 111

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A. TITEL

*Radioreglement 1979;  
(met Bijlagen)  
Genève, 6 december 1979*

B. TEKST

De Engelse tekst van het Reglement, met Bijlagen, is geplaatst in *Trb.* 1981, 78. Zie ook de rubrieken J van *Trb.* 1984, 9, *Trb.* 1988, 97 en 146, *Trb.* 1989, 93, *Trb.* 1990, 132, *Trb.* 1995, 218, *Trb.* 1997, 135 en *Trb.* 2001, 159 en 160.

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*Radioreglement, WRC-03*

Het Radioreglement is herzien tijdens de Mondiale Radio Communicatie Conferentie die werd gehouden te Genève van 9 juni tot 4 juli 2003. De Engelse tekst<sup>1)</sup> van de Slotakten luidt als volgt:

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<sup>1)</sup> De Arabische, de Chinese, de Franse, de Russische en de Spaanse tekst zijn niet afgedrukt. De bij de Slotakten behorende Bijlagen, Aanbevelingen en Resoluties zijn ook niet afgedrukt en liggen ter inzage bij de directie Telecommarkt van het ministerie van Economische Zaken.

Verklarende noot: De volgende symbolen zijn gebruikt om per geval de aard van de herziening aan te geven:

ADD = toevoeging van een nieuwe bepaling  
MOD = wijziging van een bestaande bepaling  
(MOD) = redactionele wijziging van een bestaande bepaling  
SUP = schrapping van een bestaande bepaling

## Preamble

The World Radiocommunication Conference (Istanbul, 2000) resolved, by Resolution **800 (WRC-2000)**, to recommend to the ITU Council that a World Radiocommunication Conference be held in 2003 for a period of four weeks.

At its 2000 session, the Council resolved, by its Resolution 1156, that the Conference be convened in Geneva from 9 June to 4 July 2003, and established its agenda. The agenda, dates and place were approved by the required majority of the Member States of the Union.

The World Radiocommunication Conference (WRC-03) met in Geneva for the stipulated period and worked on the basis of the agenda approved by the Council. It adopted a revision of the Radio Regulations and Appendices thereto, as contained in these Final Acts.

In accordance with its agenda, the Conference also took other decisions that it considered necessary or appropriate, including the review and revision of existing Resolutions and Recommendations and the adoption of various new Resolutions and Recommendations as contained in these Final Acts.

The majority of the provisions revised by the World Radiocommunication Conference (Geneva, 2003), as contained in the revision of the Radio Regulations referred to in this Preamble, shall enter into force as from 1 January 2005; the remaining provisions shall apply as from the dates indicated in the Resolutions listed in Article 59 of the revised Radio Regulations.

The delegates signing the revision of the Radio Regulations contained in these Final Acts, which is subject to approval by their competent authorities, declare that, should a Member State of the Union make reservations concerning the application of one or more of the provisions of the revised Radio Regulations, no other Member State shall be obliged to observe that provision or those provisions in its relations with that particular Member State.

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## ARTICLE 1

**Terms and definitions****MOD**

**1.14** *Coordinated Universal Time (UTC)*: Time scale, based on the second (SI), as defined in Recommendation ITU-R TF.460-6. (WRC-03)

**ADD**

**1.146A** *out-of-band domain (of an emission)*: The frequency range, immediately outside the necessary bandwidth but excluding the *spurious domain*, in which *out-of-band emissions* generally predominate. *Out-of-band emissions*, defined based on their source, occur in the out-of-band domain and, to a lesser extent, in the *spurious domain*. *Spurious emissions* likewise may occur in the out-of-band domain as well as in the *spurious domain*. (WRC-03)

**ADD**

**1.146B** *spurious domain (of an emission)*: The frequency range beyond the *out-of-band domain* in which *spurious emissions* generally predominate. (WRC-03)

**MOD**

**1.189** *geostationary satellite*: A *geosynchronous satellite* whose circular and direct *orbit* lies in the plane of the Earth's equator and which thus remains fixed relative to the Earth; by extension, a *geosynchronous satellite* which remains approximately fixed relative to the Earth. (WRC-03)

## ARTICLE 3

**Technical characteristics of stations****MOD**

**3.6** Transmitting stations shall conform to the maximum permitted power levels for spurious emissions or for unwanted emissions in the spurious domain specified in Appendix 3. (WRC-03)

**MOD**

**3.7** Transmitting stations shall conform to the maximum permitted power levels for out-of-band emissions, or unwanted emissions in the out-of-band domain, specified for certain services and classes of emission in the present Regulations. In the absence of such specified maximum permitted power levels transmitting stations should, to the maximum extent possible, satisfy the requirements relating to the limitation of the out-of-band emissions, or unwanted emissions in the out-of-band domain, specified in the most recent ITU-R Recommendations (see Resolution 27 (Rev.WRC-03)). (WRC-03)

**ARTICLE 4****Assignment and use of frequencies****Section I – General rules****MOD**

**4.8** Where, in adjacent Regions or sub-Regions, a band of frequencies is allocated to different services of the same category (see Sections I and II of Article 5), the basic principle is the equality of right to operate. Accordingly, the stations of each service in one Region or sub-Region must operate so as not to cause harmful interference to any service of the same or higher category in the other Regions or sub-Regions. (WRC-03)

## ARTICLE 5

**Frequency allocations****Section IV – Table of Frequency Allocations**

(See No. 2.1)

**MOD**

**5.56** The stations of services to which the bands 14-19.95 kHz and 20.05-70 kHz and in Region 1 also the bands 72-84 kHz and 86-90 kHz are allocated may transmit standard frequency and time signals. Such stations shall be afforded protection from harmful interference. In Armenia, Azerbaijan, Belarus, Bulgaria, the Russian Federation, Georgia, Kazakhstan, Mongolia, Kyrgyzstan, Slovakia, the Czech Rep., Tajikistan and Turkmenistan, the frequencies 25 kHz and 50 kHz will be used for this purpose under the same conditions. (WRC-03)

**MOD**

**5.68** *Alternative allocation:* in Angola, Burundi, Congo (Rep. of the), Malawi, Dem. Rep. of the Congo, Rwanda and South Africa, the band 160-200 kHz is allocated to the fixed service on a primary basis. (WRC-03)

**MOD**

**5.70** *Alternative allocation:* in Angola, Botswana, Burundi, Cameroon, the Central African Rep., Congo (Rep. of the), Ethiopia, Lesotho, Madagascar, Malawi, Mozambique, Namibia, Nigeria, Oman, Dem. Rep. of the Congo, Rwanda, South Africa, Swaziland, Tanzania, Chad, Zambia and Zimbabwe, the band 200-283.5 kHz is allocated to the aeronautical radionavigation service on a primary basis. (WRC-03)

**MOD**

**5.87** *Additional allocation:* in Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland and Zimbabwe, the band 526.5-535 kHz is also allocated to the mobile service on a secondary basis. (WRC-03)

**MOD**

**5.96** In Germany, Armenia, Austria, Azerbaijan, Belarus, Denmark, Estonia, the Russian Federation, Finland, Georgia, Hungary, Ireland, Iceland, Israel, Kazakhstan, Latvia, Liechtenstein, Lithuania, Malta, Moldova, Norway, Uzbekistan, Poland, Kyrgyzstan, Slovakia, the Czech Rep., the United Kingdom, Sweden, Switzerland, Tajikistan, Turkmenistan and Ukraine, administrations may allocate up to 200 kHz to their amateur service in the bands 1 715-1 800 kHz and 1 850-2 000 kHz. However, when allocating the bands within this range to their amateur service, administrations shall, after prior consultation with administrations of neighbouring countries, take such steps as may be necessary to prevent harmful interference from their amateur service to the fixed and mobile services of other countries. The mean power of any amateur station shall not exceed 10 W. (WRC-03)

**MOD**

**5.98** *Alternative allocation:* in Angola, Armenia, Azerbaijan, Belarus, Belgium, Bulgaria, Cameroon, Congo (Rep. of the), Denmark, Egypt, Eritrea, Spain, Ethiopia, the Russian Federation, Georgia, Greece, Italy, Kazakhstan, Lebanon, Lithuania, Moldova, Syrian Arab Republic, Kyrgyzstan, Somalia, Tajikistan, Tunisia, Turkmenistan, Turkey and Ukraine, the band 1 810-1 830 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-03)

**MOD**

**5.99** *Additional allocation:* in Saudi Arabia, Austria, Bosnia and Herzegovina, Iraq, Libyan Arab Jamahiriya, Uzbekistan, Slovakia, Romania, Serbia and Montenegro, Slovenia, Chad, and Togo, the band 1 810-1 830 kHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-03)

**MOD**

**5.107** *Additional allocation:* in Saudi Arabia, Eritrea, Ethiopia, Iraq, Lesotho, Libyan Arab Jamahiriya, Somalia and Swaziland, the band 2 160-2 170 kHz is also allocated to the fixed and mobile, except aeronautical mobile (R), services on a primary basis. The mean power of stations in these services shall not exceed 50 W. (WRC-03)

**MOD**

**5.112** *Alternative allocation:* in Bosnia and Herzegovina, Denmark, Malta, Serbia and Montenegro, and Sri Lanka, the band 2 194-2 300 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-03)

**MOD**

**5.114** *Alternative allocation:* in Bosnia and Herzegovina, Denmark, Iraq, Malta, and Serbia and Montenegro, the band 2 502-2 625 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-03)

**MOD**

**5.117** *Alternative allocation:* in Bosnia and Herzegovina, Côte d'Ivoire, Denmark, Egypt, Liberia, Malta, Serbia and Montenegro, Sri Lanka and Togo, the band 3 155-3 200 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-03)

**MOD**

**5.118** *Additional allocation:* in the United States, Mexico, Peru and Uruguay, the band 3 230-3 400 kHz is also allocated to the radiolocation service on a secondary basis. (WRC-03)

## MOD

6765-8100 kHz

Allocation to services		
Region 1	Region 2	Region 3
6765-7000	FIXED MOBILE except aeronautical mobile (R) 5.138 5.138A 5.139	
7000-7100	AMATEUR AMATEUR-SATELLITE 5.140 5.141 5.141A	
7100-7200	AMATEUR 5.141A 5.141B 5.141C 5.142	
7200-7300 BROADCASTING	7200-7300 AMATEUR 5.142	7200-7300 BROADCASTING
7300-7400	BROADCASTING 5.134 5.143 5.143A 5.143B 5.143C 5.143D	
7400-7450 BROADCASTING  5.143B 5.143C	7400-7450 FIXED MOBILE except aeronautical mobile (R)	7400-7450 BROADCASTING  5.143A 5.143C
7450-8100	FIXED MOBILE except aeronautical mobile (R) 5.143E 5.144	

## MOD

5.134 The use of the bands 5900-5950 kHz, 7300-7350 kHz, 9400-9500 kHz, 11600-11650 kHz, 12050-12100 kHz, 13570-13600 kHz, 13800-13870 kHz, 15600-15800 kHz, 17480-17550 kHz and 18900-19020 kHz by the broadcasting service as from 1 April 2007 is subject to the application of the procedure of Article 12. Administrations are urged to use these bands to facilitate the introduction of digitally modulated emissions in accordance with the provisions of Resolution 517 (Rev.WRC-03). (WRC-03)

## ADD

5.138A Until 29 March 2009, the band 6765-7000 kHz is allocated to the fixed service on a primary basis and to the land mobile service on a secondary basis. After this date, this band is allocated to the fixed and the mobile except aeronautical mobile (R) services on a primary basis. (WRC-03)

## MOD

5.139 *Different category of service:* until 29 March 2009, in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Latvia, Lithuania, Moldova, Mongolia, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the allocation of the band 6765-7000 kHz to the land mobile service is on a primary basis (see No. 5.33). (WRC-03)



**MOD**

**5.140** *Additional allocation:* in Angola, Iraq, Kenya, Rwanda, Somalia and Togo, the band 7 000-7 050 kHz is also allocated to the fixed service on a primary basis. (WRC-03)

**ADD**

**5.141A** *Additional allocation:* in Uzbekistan and Kyrgyzstan, the bands 7 000-7 100 kHz and 7 100-7 200 kHz are also allocated to the fixed and land mobile services on a secondary basis. (WRC-03)

**ADD**

**5.141B** *Additional allocation:* after 29 March 2009, in Algeria, Saudi Arabia, Australia, Bahrain, Botswana, Brunei Darussalam, China, Comoros, Korea (Rep. of), Diego Garcia, Djibouti, Egypt, United Arab Emirates, Eritrea, Indonesia, Iran (Islamic Republic of), Japan, Jordan, Kuwait, Libyan Arab Jamahiriya, Morocco, Mauritania, New Zealand, Oman, Papua New Guinea, Qatar, Syrian Arab Republic, Singapore, Sudan, Tunisia, Viet Nam and Yemen, the band 7 100-7 200 kHz is also allocated to the fixed and the mobile, except aeronautical mobile (R), services on a primary basis. (WRC-03)

**ADD**

**5.141C** In Regions 1 and 3, the band 7 100-7 200 kHz is allocated to the broadcasting service until 29 March 2009 on a primary basis. (WRC-03)

**MOD**

**5.142** Until 29 March 2009, the use of the band 7 100-7 300 kHz in Region 2 by the amateur service shall not impose constraints on the broadcasting service intended for use within Region 1 and Region 3. After 29 March 2009 the use of the band 7 200-7 300 kHz in Region 2 by the amateur service shall not impose constraints on the broadcasting service intended for use within Region 1 and Region 3. (WRC-03)

**ADD**

**5.143A** In Region 3, the band 7 350-7 450 kHz is allocated, until 29 March 2009, to the fixed service on a primary basis and to the land mobile service on a secondary basis. After 29 March 2009, frequencies in this band may be used by stations in the above-mentioned services, communicating only within the boundary of the country in which they are located, on condition that harmful interference is not caused to the broadcasting service. When using frequencies for these services, administrations are urged to use the minimum power required and to take account of the seasonal use of frequencies by the broadcasting service published in accordance with the Radio Regulations. (WRC-03)

**ADD**

**5.143B** In Region 1, the band 7 350-7 450 kHz is allocated, until 29 March 2009, to the fixed service on a primary basis and to the land mobile service on a secondary basis. After 29 March 2009, on condition that harmful interference is not caused to the broadcasting service, frequencies in the band 7 350-7 450 kHz may be used by stations in the fixed and land mobile services communicating only within the boundary of the country in which they are located, each station using a total radiated power that shall not exceed 24 dBW. (WRC-03)

**ADD**

**5.143C** *Additional allocation:* after 29 March 2009 in Algeria, Saudi Arabia, Bahrain, Comoros, Djibouti, Egypt, United Arab Emirates, Iran (Islamic Republic of), Jordan, Kuwait, Libyan Arab Jamahiriya, Morocco, Mauritania, Oman, Qatar, Syrian Arab Republic, Sudan, Tunisia and Yemen, the bands 7 350-7 400 kHz and 7 400-7 450 kHz are also allocated to the fixed service on a primary basis. (WRC-03)

**ADD**

**5.143D** In Region 2, the band 7350-7400 kHz is allocated, until 29 March 2009, to the fixed service on a primary basis and to the land mobile service on a secondary basis. After 29 March 2009, frequencies in this band may be used by stations in the above-mentioned services, communicating only within the boundary of the country in which they are located, on condition that harmful interference is not caused to the broadcasting service. When using frequencies for these services, administrations are urged to use the minimum power required and to take account of the seasonal use of frequencies by the broadcasting service published in accordance with the Radio Regulations. (WRC-03)

**ADD**

**5.143E** Until 29 March 2009, the band 7450-8100 kHz is allocated to the fixed service on a primary basis and to the land mobile service on a secondary basis. (WRC-03)

**MOD**

**5.152** *Additional allocation:* in Armenia, Azerbaijan, China, Côte d'Ivoire, the Russian Federation, Georgia, Iran (Islamic Republic of), Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the band 14250-14350 kHz is also allocated to the fixed service on a primary basis. Stations of the fixed service shall not use a radiated power exceeding 24 dBW. (WRC-03)

**MOD**

**5.154** *Additional allocation:* in Armenia, Azerbaijan, the Russian Federation, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the band 18068-18168 kHz is also allocated to the fixed service on a primary basis for use within their boundaries, with a peak envelope power not exceeding 1 kW. (WRC-03)

**MOD**

**5.155** *Additional allocation:* in Armenia, Azerbaijan, Belarus, Bulgaria, the Russian Federation, Georgia, Kazakhstan, Moldova, Mongolia, Uzbekistan, Kyrgyzstan, Slovakia, the Czech Rep., Tajikistan, Turkmenistan and Ukraine, the band 21850-21870 kHz is also allocated to the aeronautical mobile (R) services on a primary basis. (WRC-03)

**MOD**

**5.163** *Additional allocation:* in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Hungary, Kazakhstan, Latvia, Lithuania, Moldova, Mongolia, Uzbekistan, Kyrgyzstan, Slovakia, the Czech Rep., Tajikistan, Turkmenistan and Ukraine, the bands 47-48.5 MHz and 56.5-58 MHz are also allocated to the fixed and land mobile services on a secondary basis. (WRC-03)

**MOD**

**5.164** *Additional allocation:* in Albania, Germany, Austria, Belgium, Bosnia and Herzegovina, Botswana, Bulgaria, Côte d'Ivoire, Denmark, Spain, Estonia, Finland, France, Gabon, Greece, Ireland, Israel, Italy, Jordan, Lebanon, Libyan Arab Jamahiriya, Liechtenstein, Luxembourg, Madagascar, Mali, Malta, Morocco, Mauritania, Monaco, Nigeria, Norway, the Netherlands, Poland, Syrian Arab Republic, the United Kingdom, Serbia and Montenegro, Slovenia, Sweden, Switzerland, Swaziland, Chad, Togo, Tunisia and Turkey, the band 47-68 MHz, in Romania the band 47-58 MHz, in South Africa the band 47-50 MHz, and in the Czech Rep. the band 66-68 MHz, are also allocated to the land mobile service on a primary basis. However, stations of the land mobile service in the countries mentioned in connection with each band referred to in this footnote shall not cause harmful interference to, or claim protection from, existing or planned broadcasting stations of countries other than those mentioned in connection with the band. (WRC-03)

**MOD**

**5.174** *Alternative allocation:* in Bulgaria, Hungary and Romania, the band 68-73 MHz is allocated to the broadcasting service on a primary basis and used in accordance with the decisions in the Final Acts of the Special Regional Conference (Geneva, 1960). (WRC-03)

**MOD**

**5.177** *Additional allocation:* in Armenia, Azerbaijan, Belarus, Bulgaria, the Russian Federation, Georgia, Kazakhstan, Latvia, Moldova, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the band 73-74 MHz is also allocated to the broadcasting service on a primary basis, subject to agreement obtained under No. 9.21. (WRC-03)

**MOD**

**5.179** *Additional allocation:* in Armenia, Azerbaijan, Belarus, Bulgaria, China, the Russian Federation, Georgia, Kazakhstan, Lithuania, Moldova, Mongolia, Kyrgyzstan, Slovakia, Tajikistan, Turkmenistan and Ukraine, the bands 74.6-74.8 MHz and 75.2-75.4 MHz are also allocated to the aeronautical radionavigation service, on a primary basis, for ground-based transmitters only. (WRC-03)

**MOD**

**5.181** *Additional allocation:* in Egypt, Israel and Syrian Arab Republic, the band 74.8-75.2 MHz is also allocated to the mobile service on a secondary basis, subject to agreement obtained under No. 9.21. In order to ensure that harmful interference is not caused to stations of the aeronautical radionavigation service, stations of the mobile service shall not be introduced in the band until it is no longer required for the aeronautical radionavigation service by any administration which may be identified in the application of the procedure invoked under No. 9.21. (WRC-03)

**MOD****75.2-137.175 MHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>108-117.975</b>	AERONAUTICAL RADIONAVIGATION 5.197 5.197A	

**ADD**

**5.197A** The band 108-117.975 MHz may also be used by the aeronautical mobile (R) service on a primary basis, limited to systems that transmit navigational information in support of air navigation and surveillance functions in accordance with recognized international aviation standards. Such use shall be in accordance with Resolution 413 (WRC-03) and shall not cause harmful interference to nor claim protection from stations operating in the aeronautical radionavigation service which operate in accordance with international aeronautical standards. (WRC-03)

**MOD**

**5.203B** *Additional allocation:* in Saudi Arabia, United Arab Emirates, Oman and Syrian Arab Republic, the band 136-137 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a secondary basis until 1 January 2005. (WRC-03)

**MOD**

**5.204** *Different category of service:* in Afghanistan, Saudi Arabia, Bahrain, Bangladesh, Bosnia and Herzegovina, Brunei Darussalam, China, Cuba, the United Arab Emirates, India, Indonesia, Iran (Islamic Republic of), Iraq, Malaysia, Oman, Pakistan, the Philippines, Qatar, Serbia and Montenegro, Singapore, Thailand and Yemen, the band 137-138 MHz is allocated to the fixed and mobile, except aeronautical mobile (R), services on a primary basis (see No. 5.33). (WRC-03)

**MOD**

**5.210** *Additional allocation:* in France, Italy, the Czech Rep. and the United Kingdom, the bands 138-143.6 MHz and 143.65-144 MHz are also allocated to the space research service (space-to-Earth) on a secondary basis. (WRC-03)

**MOD**

**5.212** *Alternative allocation:* in Angola, Botswana, Burundi, Cameroon, the Central African Rep., Congo (Rep. of the), Gabon, Gambia, Ghana, Guinea, Iraq, Jordan, Lesotho, Liberia, Libyan Arab Jamahiriya, Malawi, Mozambique, Namibia, Oman, Uganda, Dem. Rep. of the Congo, Rwanda, Sierra Leone, South Africa, Swaziland, Chad, Togo, Zambia and Zimbabwe, the band 138-144 MHz is allocated to the fixed and mobile services on a primary basis. (WRC-03)

**MOD**

**5.221** Stations of the mobile-satellite service in the band 148-149.9 MHz shall not cause harmful interference to, or claim protection from, stations of the fixed or mobile services operating in accordance with the Table of Frequency Allocations in the following countries: Albania, Algeria, Germany, Saudi Arabia, Australia, Austria, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Benin, Bosnia and Herzegovina, Botswana, Brunei Darussalam, Bulgaria, Cameroon, China, Cyprus, Congo (Rep. of the), Korea (Rep. of), Côte d'Ivoire, Croatia, Cuba, Denmark, Egypt, the United Arab Emirates, Eritrea, Spain, Estonia, Ethiopia, the Russian Federation, Finland, France, Gabon, Ghana, Greece, Guinea, Guinea Bissau, Hungary, India, Iran (Islamic Republic of), Ireland, Iceland, Israel, Italy, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kuwait, The Former Yugoslav Republic of Macedonia, Lesotho, Latvia, Lebanon, Libyan Arab Jamahiriya, Liechtenstein, Lithuania, Luxembourg, Malaysia, Mali, Malta, Mauritania, Moldova, Mongolia, Mozambique, Namibia, Norway, New Zealand, Oman, Uganda, Uzbekistan, Pakistan, Panama, Papua New Guinea, Paraguay, the Netherlands, the Philippines, Poland, Portugal, Qatar, Syrian Arab Republic, Kyrgyzstan, Slovakia, Romania, the United Kingdom, Senegal, Serbia and Montenegro, Sierra Leone, Singapore, Slovenia, Sri Lanka, South Africa, Sweden, Switzerland, Swaziland, Tanzania, Chad, Thailand, Togo, Tonga, Trinidad and Tobago, Tunisia, Turkey, Ukraine, Viet Nam, Yemen, Zambia, and Zimbabwe. (WRC-03)

**MOD**

**5.237** *Additional allocation:* in Congo (Rep. of the), Eritrea, Ethiopia, Gambia, Guinea, Libyan Arab Jamahiriya, Malawi, Mali, Sierra Leone, Somali, Chad and Zimbabwe, the band 174-223 MHz is also allocated to the fixed and mobile services on a secondary basis. (WRC-03)

**MOD****220-335.4 MHz**

Allocation to services		
Region 1	Region 2	Region 3
235-267	FIXED MOBILE 5.111 5.199 5.252 5.254 5.256 5.256A	

**MOD**

**5.254** The bands 235-322 MHz and 335.4-399.9 MHz may be used by the mobile-satellite service, subject to agreement obtained under No. 9.21, on condition that stations in this service do not cause harmful interference to those of other services operating or planned to be operated in accordance with the Table of Frequency Allocations except for the additional allocation made in footnote No. 5.256A. (WRC-03)

**ADD**

**5.256A** *Additional allocation:* in China, the Russian Federation, Kazakhstan and Ukraine, the band 258-261 MHz is also allocated to the space research service (Earth-to-space) and space operation service (Earth-to-space) on a primary basis. Stations in the space research service (Earth-to-space) and space operation service (Earth-to-space) shall not cause harmful interference to, nor claim protection from, nor constrain the use and development of the mobile service systems and mobile-satellite service systems operating in the band. Stations in space research service (Earth-to-space) and space operation service (Earth-to-space) shall not constrain the future development of fixed service systems of other countries. (WRC-03)

**MOD**

**5.262** *Additional allocation:* in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, Bosnia and Herzegovina, Botswana, Bulgaria, Colombia, Costa Rica, Cuba, Egypt, the United Arab Emirates, Ecuador, the Russian Federation, Georgia, Hungary, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kazakhstan, Kuwait, Liberia, Malaysia, Moldova, Uzbekistan, Pakistan, the Philippines, Qatar, Syrian Arab Republic, Kyrgyzstan, Romania, Serbia and Montenegro, Singapore, Somalia, Tajikistan, Turkmenistan and Ukraine, the band 400.05-401 MHz is also allocated to the fixed and mobile services on a primary basis. (WRC-03)

**MOD****410-470 MHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>430-432</b> AMATEUR RADIOLOCATION 5.271 5.272 5.273 5.274 5.275 5.276 5.277	<b>430-432</b> RADIOLOCATION Amateur 5.271 5.276 5.277 5.278 5.279	
<b>432-438</b> AMATEUR RADIOLOCATION Earth exploration-satellite (active) 5.279A 5.138 5.271 5.272 5.276 5.277 5.280 5.281 5.282	<b>432-438</b> RADIOLOCATION Amateur Earth exploration-satellite (active) 5.279A 5.271 5.276 5.277 5.278 5.279 5.281 5.282	
<b>438-440</b> AMATEUR RADIOLOCATION 5.271 5.273 5.274 5.275 5.276 5.277 5.283	<b>438-440</b> RADIOLOCATION Amateur 5.271 5.276 5.277 5.278 5.279	

**MOD**

**5.271** *Additional allocation:* in Azerbaijan, Belarus, China, India, Latvia, Lithuania, Kyrgyzstan and Turkmenistan, the band 420-460 MHz is also allocated to the aeronautical radionavigation service (radio altimeters) on a secondary basis. (WRC-03)

**MOD**

**5.273** *Different category of service:* in Libyan Arab Jamahiriya, the allocation of the bands 430-432 MHz and 438-440 MHz to the radiolocation service is on a secondary basis (see No. 5.32). (WRC-03)

**MOD**

**5.277** *Additional allocation:* in Angola, Armenia, Azerbaijan, Belarus, Cameroon, Congo (Rep. of the), Djibouti, the Russian Federation, Georgia, Hungary, Israel, Kazakhstan, Mali, Moldova, Mongolia, Uzbekistan, Poland, Kyrgyzstan, Slovakia, the Czech Rep., Romania, Rwanda, Tajikistan, Chad, Turkmenistan and Ukraine, the band 430-440 MHz is also allocated to the fixed service on a primary basis. (WRC-03)

**ADD**

**5.279A** The use of this band by sensors in the Earth exploration-satellite service (active) shall be in accordance with Recommendation ITU-R SA.1260-1. Additionally, the Earth exploration-satellite service (active) in the band 432-438 MHz shall not cause harmful interference to the aeronautical radionavigation service in China.

The provisions of this footnote in no way diminish the obligation of the Earth exploration-satellite service (active) to operate as a secondary service in accordance with Nos. 5.29 and 5.30. (WRC-03)

**MOD**

**5.288** In the territorial waters of the United States and the Philippines, the preferred frequencies for use by on-board communication stations shall be 457.525 MHz, 457.550 MHz, 457.575 MHz and 457.600 MHz paired, respectively, with 467.750 MHz, 467.775 MHz, 467.800 MHz and 467.825 MHz. The characteristics of the equipment used shall conform to those specified in Recommendation ITU-R M.1174-1. (WRC-03)

**MOD**

**5.294** *Additional allocation:* in Burundi, Cameroon, Congo (Rep. of the), Côte d'Ivoire, Ethiopia, Israel, Kenya, Lebanon, Libyan Arab Jamahiriya, Malawi, Syrian Arab Republic, Sudan, Chad and Yemen, the band 470-582 MHz is also allocated to the fixed service on a secondary basis. (WRC-03)

**MOD**

**5.296** *Additional allocation:* in Germany, Austria, Belgium, Côte d'Ivoire, Denmark, Spain, Finland, France, Ireland, Israel, Italy, Libyan Arab Jamahiriya, Lithuania, Malta, Morocco, Monaco, Norway, the Netherlands, Portugal, Syrian Arab Republic, the United Kingdom, Sweden, Switzerland, Swaziland and Tunisia, the band 470-790 MHz is also allocated on a secondary basis to the land mobile service, intended for applications ancillary to broadcasting. Stations of the land mobile service in the countries listed in this footnote shall not cause harmful interference to existing or planned stations operating in accordance with the Table in countries other than those listed in this footnote. (WRC-03)

**MOD**

**5.311** Within the frequency band 620-790 MHz, assignments may be made to television stations using frequency modulation in the broadcasting-satellite service subject to agreement between the administrations concerned and those having services, operating in accordance with the Table, which may be affected (see Resolutions 33 (Rev.WRC-03) and 507 (Rev.WRC-03)). Such stations shall not produce a power flux-density in excess of the value  $-129 \text{ dB(W/m}^2\text{)}$  for angles of arrival less than  $20^\circ$  (see Recommendation 705) within the territories of other countries without the consent of the administrations of those countries. Resolution 545 (WRC-03) applies. (WRC-03)

**MOD**

**5.312** *Additional allocation:* in Armenia, Azerbaijan, Belarus, Bulgaria, the Russian Federation, Georgia, Hungary, Kazakhstan, Moldova, Mongolia, Uzbekistan, Poland, Kyrgyzstan, Slovakia, the Czech Rep., Romania, Tajikistan, Turkmenistan and Ukraine, the band 645-862 MHz is also allocated to the aeronautical radionavigation service on a primary basis. (WRC-03)

**MOD**

**5.316** *Additional allocation:* in Germany, Saudi Arabia, Bosnia and Herzegovina, Burkina Faso, Cameroon, Côte d'Ivoire, Croatia, Denmark, Egypt, Finland, Greece, Israel, Jordan, Kenya, The Former Yugoslav Republic of Macedonia, Libyan Arab Jamahirya, Liechtenstein, Mali, Monaco, Norway, the Netherlands, Portugal, the United Kingdom, Syrian Arab Republic, Serbia and Montenegro, Sweden and Switzerland, the band 790-830 MHz, and in these same countries and in Spain, France, Gabon and Malta, the band 830-862 MHz, are also allocated to the mobile, except aeronautical mobile, service on a primary basis. However, stations of the mobile service in the countries mentioned in connection with each band referred to in this footnote shall not cause harmful interference to, or claim protection from, stations of services operating in accordance with the Table in countries other than those mentioned in connection with the band. (WRC-03)

**MOD**

**5.323** *Additional allocation:* in Armenia, Azerbaijan, Belarus, Bulgaria, the Russian Federation, Hungary, Kazakhstan, Moldova, Mongolia, Uzbekistan, Poland, Kyrgyzstan, Slovakia, the Czech Rep., Romania, Tajikistan, Turkmenistan and Ukraine, the band 862-960 MHz is also allocated to the aeronautical radionavigation service on a primary basis. Such use is subject to agreement obtained under No. 9.21 with administrations concerned and limited to ground-based radiobeacons in operation on 27 October 1997 until the end of their lifetime. (WRC-03)

**MOD****890-1 300 MHz**

Allocation to services		
Region 1	Region 2	Region 3
960-1 164	AERONAUTICAL RADIONAVIGATION 5.328	
1 164-1 215	AERONAUTICAL RADIONAVIGATION 5.328 RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.328A	
1 215-1 240	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A SPACE RESEARCH (active) 5.330 5.331 5.332	
1 240-1 300	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329 5.329A SPACE RESEARCH (active) Amateur 5.282 5.330 5.331 5.332 5.335 5.335A	

**MOD**

**5.328A** Stations in the radionavigation-satellite service in the band 1164-1215 MHz shall operate in accordance with the provisions of Resolution **609 (WRC-03)** and shall not claim protection from stations in the aeronautical radionavigation service in the band 960-1 215 MHz. No. **5.43A** does not apply. The provisions of No. **21.18** shall apply. (WRC-03)

**ADD**

**5.328B** The use of the bands 1164-1300 MHz, 1559-1 610 MHz and 5010-5030 MHz by systems and networks in the radionavigation-satellite service for which complete coordination or notification information, as appropriate, is received by the Radiocommunication Bureau after 1 January 2005 is subject to the application of the provisions of Nos. **9.12**, **9.12A** and **9.13**. Resolution **610 (WRC-03)** shall also apply. (WRC-03)

**MOD**

**5.329** Use of the radionavigation-satellite service in the band 1215-1 300 MHz shall be subject to the condition that no harmful interference is caused to, and no protection is claimed from, the radionavigation service authorized under No. **5.331**. Furthermore, the use of the radionavigation-satellite service in the band 1215-1 300 MHz shall be subject to the condition that no harmful interference is caused to the radiolocation service. No. **5.43** shall not apply in respect of the radiolocation service. Resolution **608 (WRC-03)** shall apply. (WRC-03)

**MOD**

**5.330** *Additional allocation:* in Angola, Saudi Arabia, Bahrain, Bangladesh, Cameroon, China, the United Arab Emirates, Eritrea, Ethiopia, Guyana, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kuwait, Lebanon, Libyan Arab Jamahiriya, Mozambique, Nepal, Pakistan, the Philippines, Qatar, Syrian Arab Republic, Somalia, Sudan, Chad, Togo and Yemen, the band 1215-1 300 MHz is also allocated to the fixed and mobile services on a primary basis. (WRC-03)

**MOD**

**5.331** *Additional allocation:* in Algeria, Germany, Saudi Arabia, Australia, Austria, Bahrain, Belarus, Belgium, Benin, Bosnia and Herzegovina, Brazil, Burkina Faso, Burundi, Cameroon, China, Korea (Rep. of), Croatia, Denmark, Egypt, the United Arab Emirates, Estonia, the Russian Federation, Finland, France, Ghana, Greece, Guinea, Equatorial Guinea, Hungary, India, Indonesia, Iran (Islamic Republic of), Iraq, Ireland, Israel, Jordan, Kenya, Kuwait, The Former Yugoslav Republic of Macedonia, Lesotho, Latvia, Liechtenstein, Lithuania, Luxembourg, Madagascar, Mali, Mauritania, Nigeria, Norway, Oman, the Netherlands, Poland, Portugal, Qatar, Syrian Arab Republic, Slovakia, the United Kingdom, Serbia and Montenegro, Slovenia, Somalia, Sudan, Sri Lanka, South Africa, Sweden, Switzerland, Thailand, Togo, Turkey, Venezuela and Viet Nam, the band 1215-1 300 MHz is also allocated to the radionavigation service on a primary basis. In Canada and the United States, the band 1 240-1 300 MHz is also allocated to the radionavigation service, and use of the radionavigation service shall be limited to the aeronautical radionavigation service. (WRC-03)

**MOD**

**5.334** *Additional allocation:* in Canada and the United States, the band 1 350-1 370 MHz is also allocated to the aeronautical radionavigation service on a primary basis. (WRC-03)



## MOD

## 1 350-1 525 MHz

Allocation to services		
Region 1	Region 2	Region 3
<b>1 350-1 400</b> FIXED MOBILE RADIOLOCATION 5.149 5.338 5.339 5.339A	<b>1 350-1 400</b> RADIOLOCATION 5.149 5.334 5.339 5.339A	
...		
<b>1 429-1 452</b> FIXED MOBILE except aeronautical mobile 5.339A 5.341 5.342	<b>1 429-1 452</b> FIXED MOBILE 5.343 5.339A 5.341	
<b>1 452-1 492</b> FIXED MOBILE except aeronautical mobile BROADCASTING 5.345 5.347 BROADCASTING-SATELLITE 5.345 5.347 5.347A 5.341 5.342	<b>1 452-1 492</b> FIXED MOBILE 5.343 BROADCASTING 5.345 5.347 BROADCASTING-SATELLITE 5.345 5.347 5.347A 5.341 5.344	
<b>1 492-1 518</b> FIXED MOBILE except aeronautical mobile 5.341 5.342	<b>1 492-1 518</b> FIXED MOBILE 5.343 5.341 5.344	<b>1 492-1 518</b> FIXED MOBILE 5.341
<b>1 518-1 525</b> FIXED MOBILE except aeronautical mobile MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.348B 5.348C 5.341 5.342	<b>1 518-1 525</b> FIXED MOBILE 5.343 MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.348B 5.348C 5.341 5.344	<b>1 518-1 525</b> FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.348B 5.348C 5.341

## MOD

**5.338** In Azerbaijan, Mongolia, Kyrgyzstan, Slovakia, the Czech Rep., Romania and Turkmenistan, existing installations of the radionavigation service may continue to operate in the band 1 350-1 400 MHz. (WRC-03)

## ADD

**5.339A** *Additional allocation:* the band 1 390-1 392 MHz is also allocated to the fixed-satellite service (Earth-to-space) on a secondary basis and the band 1 430-1 432 MHz is also allocated to the fixed-satellite service (space-to-Earth) on a secondary basis. These allocations are limited to use for feeder links for non-geostationary-satellite networks in the mobile-satellite service with service links below 1 GHz, and Resolution 745 (WRC-03) applies. (WRC-03)

**MOD**

**5.340** All emissions are prohibited in the following bands:

1 400-1 427 MHz,  
 2 690-2 700 MHz, except those provided for by No. 5.422,  
 10.68-10.7 GHz, except those provided for by No. 5.483,  
 15.35-15.4 GHz, except those provided for by No. 5.511,  
 23.6-24 GHz,  
 31.3-31.5 GHz,  
 31.5-31.8 GHz, in Region 2,  
 48.94-49.04 GHz, from airborne stations  
 50.2-50.4 GHz<sup>2</sup>,  
 52.6-54.25 GHz,  
 86-92 GHz,  
 100-102 GHz,  
 109.5-111.8 GHz,  
 114.25-116 GHz,  
 148.5-151.5 GHz,  
 164-167 GHz,  
 182-185 GHz,  
 190-191.8 GHz,  
 200-209 GHz,  
 226-231.5 GHz,  
 250-252 GHz. (WRC-03)

**MOD**

**5.347** *Different category of service:* in Bangladesh, Bosnia and Herzegovina, Botswana, Bulgaria, Burkina Faso, Cuba, Denmark, Egypt, Greece, Ireland, Italy, Mozambique, Portugal, Serbia and Montenegro, Sri Lanka, Swaziland, Yemen and Zimbabwe, the allocation of the band 1 452-1 492 MHz to the broadcasting-satellite service and the broadcasting service is on a secondary basis until 1 April 2007. (WRC-03)

**ADD**

**5.347A** In the bands:

1 452-1 492 MHz,  
 1 525-1 559 MHz,  
 1 613,8-1 626,5 MHz,  
 2 655-2 670 MHz,  
 2 670-2 690 MHz,  
 21.4-22 GHz,

Resolution 739 (WRC-03) applies. (WRC-03)

**MOD**

**5.348** The use of the band 1 518-1 525 MHz by the mobile-satellite service is subject to coordination under No. 9.11A. In the band 1 518-1 525 MHz stations in the mobile-satellite service shall not claim protection from the stations in the fixed service. No. 5.43A does not apply. (WRC-03)

**MOD**

**5.348A** In the band 1 518-1 525 MHz, the coordination threshold in terms of the power flux-density levels at the surface of the Earth in application of No. 9.11A for space stations in the mobile-satellite (space-to-Earth) service, with respect to the land mobile service use for specialized mobile radios or used in conjunction with public switched telecommunication networks (PSTN) operating within the territory of Japan, shall be  $-150$  dB(W/m<sup>2</sup>) in any 4 kHz band for all angles of arrival, instead of those given in Table 5-2 of Appendix 5. In the band 1 518-1 525 MHz stations in the mobile-satellite service shall not claim protection from stations in the mobile service in the territory of Japan. No. 5.43A does not apply. (WRC-03)

**ADD**

**5.348B** In the band 1 518-1 525 MHz, stations in the mobile-satellite service shall not claim protection from aeronautical mobile telemetry stations in the mobile service in the territory of the United States (see Nos. 5.343 and 5.344) and in the countries listed in No. 5.342. No. 5.43A does not apply. (WRC-03)

**ADD**

**5.348C** For the use of the bands 1 518-1 525 MHz and 1 668-1 675 MHz by the mobile-satellite service, see Resolution 225 (Rev.WRC-03). (WRC-03)

**MOD****1 525-1 610 MHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>1 525-1 530</b> SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) 5.347A 5.351A Earth exploration-satellite Mobile except aeronautical mobile 5.349 5.341 5.342 5.350 5.351 5.352A 5.354	<b>1 525-1 530</b> SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.347A 5.351A Earth exploration-satellite Fixed Mobile 5.343 5.341 5.351 5.354	<b>1 525-1 530</b> SPACE OPERATION (space-to-Earth) FIXED MOBILE-SATELLITE (space-to-Earth) 5.347A 5.351A Earth exploration-satellite Mobile 5.349 5.341 5.351 5.352A 5.354
<b>1 530-1 535</b> SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.347A 5.351A 5.353A Earth exploration-satellite Fixed Mobile except aeronautical mobile 5.341 5.342 5.351 5.354	<b>1 530-1 535</b> SPACE OPERATION (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.347A 5.351A 5.353A Earth exploration-satellite Fixed Mobile 5.343 5.341 5.351 5.354	
<b>1 535-1 559</b>	MOBILE-SATELLITE (space-to-Earth) 5.347A 5.351A 5.341 5.351 5.353A 5.354 5.355 5.356 5.357 5.357A 5.359 5.362A	
<b>1 559-1 610</b>	AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.328B 5.329A 5.341 5.362B 5.362C 5.363	

**MOD**

**5.355** *Additional allocation:* in Bahrain, Bangladesh, Congo (Rep. of the), Egypt, Eritrea, Iraq, Israel, Kuwait, Lebanon, Malta, Qatar, Syrian Arab Republic, Somalia, Sudan, Chad, Togo and Yemen, the bands 1 540-1 559 MHz, 1 610-1 645.5 MHz and 1 646.5-1 660 MHz are also allocated to the fixed service on a secondary basis. (WRC-03)

**MOD**

**5.359** *Additional allocation:* in Germany, Saudi Arabia, Armenia, Austria, Azerbaijan, Belarus, Benin, Bosnia and Herzegovina, Bulgaria, Cameroon, Spain, the Russian Federation, France, Gabon, Georgia, Greece, Guinea, Guinea-Bissau, Hungary, Jordan, Kazakhstan, Kuwait, Lebanon, Libyan Arab Jamahiriya, Lithuania, Mauritania, Moldova, Mongolia, Uganda, Uzbekistan, Pakistan, Poland, Kyrgyzstan, the Dem. People's Rep. of Korea, Romania, Swaziland, Tajikistan, Tanzania, Tunisia, Turkmenistan and Ukraine, the bands 1 550-1 559 MHz, 1 610-1 645.5 MHz and 1 646.5-1 660 MHz are also allocated to the fixed service on a primary basis. Administrations are urged to make all practicable efforts to avoid the implementation of new fixed-service stations in these bands. (WRC-03)

**MOD**

**5.362B** *Additional allocation:* The band 1 559-1 610 MHz is also allocated to the fixed service on a primary basis until 1 January 2005 in Germany, Armenia, Azerbaijan, Belarus, Benin, Bosnia and Herzegovina, Bulgaria, Spain, the Russian Federation, France, Gabon, Georgia, Greece, Guinea, Guinea-Bissau, Hungary, Kazakhstan, Lithuania, Moldova, Mongolia, Nigeria, Uganda, Uzbekistan, Pakistan, Poland, Kyrgyzstan, the Dem. People's Rep. of Korea, Romania, Senegal, Swaziland, Tajikistan, Tanzania, Turkmenistan and Ukraine, and until 1 January 2010 in Saudi Arabia, Cameroon, Jordan, Kuwait, Lebanon, Libyan Arab Jamahiriya, Mali, Mauritania, Syrian Arab Republic and Tunisia. After these dates, the fixed service may continue to operate on a secondary basis until 1 January 2015, at which time this allocation shall no longer be valid. Administrations are urged to take all practicable steps to protect the radionavigation-satellite service and the aeronautical radionavigation service and not authorize new frequency assignments to fixed-service systems in this band. (WRC-03)

**MOD****1 610-1 660 MHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>1 613.8-1 626.5</b>	<b>1 613.8-1 626.5</b>	<b>1 613.8-1 626.5</b>
MOBILE-SATELLITE (Earth-to-space) 5.351A	MOBILE-SATELLITE (Earth-to-space) 5.351A	MOBILE-SATELLITE (Earth-to-space) 5.351A
AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION	AERONAUTICAL RADIONAVIGATION
Mobile-satellite (space-to-Earth) 5.347A	RADIODETERMINATION- SATELLITE (Earth-to-space) 5.347A	Mobile-satellite (space-to-Earth) 5.347A
5.341 5.355 5.359 5.363 5.364		
5.365 5.366 5.367 5.368 5.369	5.341 5.364 5.365 5.366 5.367	5.341 5.355 5.359 5.364 5.365
5.371 5.372	5.368 5.370 5.372	5.366 5.367 5.368 5.369 5.372

**MOD**

**5.369** *Different category of service:* in Angola, Australia, Burundi, China, Eritrea, Ethiopia, India, Iran (Islamic Republic of), Israel, Lebanon, Liberia, Libyan Arab Jamahiriya, Madagascar, Mali, Pakistan, Papua New Guinea, Syrian Arab Republic, Dem. Rep. of the Congo, Sudan, Swaziland, Togo and Zambia, the allocation of the band 1 610-1 626.5 MHz to the radiodetermination-satellite service (Earth-to-space) is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21 from countries not listed in this provision. (WRC-03)

## MOD

## 1 660-1 710 MHz

Allocation to services		
Region 1	Region 2	Region 3
1 660.5-1 668	RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile 5.149 5.341 5.379 5.379A	
1 668-1 668.4	MOBILE-SATELLITE (Earth-to-space) 5.348C 5.379B 5.379C RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile 5.149 5.341 5.379 5.379A 5.379D	
1 668.4-1 670	METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) 5.348C 5.379B 5.379C RADIO ASTRONOMY 5.149 5.341 5.379D 5.379E	
1 670-1 675	METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE 5.380 MOBILE-SATELLITE (Earth-to-space) 5.348C 5.379B 5.341 5.379D 5.379E 5.380A	
1 675-1 690	METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.341	
1 690-1 700	1 690-1 700	
METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) Fixed Mobile except aeronautical mobile 5.289 5.341 5.382	METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) 5.289 5.341 5.381	
1 700-1 710		1 700-1 710
FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.289 5.341		FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.289 5.341 5.384

**SUP**

5.377

**ADD**

**5.379B** The use of the band 1 668-1 675 MHz by the mobile-satellite service is subject to coordination under No. 9.11A. (WRC-03)

**ADD**

**5.379C** In order to protect the radio astronomy service in the band 1 668-1 670 MHz, the aggregate power flux-density values produced by mobile earth stations in a network of the mobile-satellite service operating in this band shall not exceed  $-181$  dB(W/m<sup>2</sup>) in 10 MHz and  $-194$  dB(W/m<sup>2</sup>) in any 20 kHz at any radio astronomy station recorded in the Master International Frequency Register, for more than 2% of integration periods of 2 000 s. (WRC-03)

**ADD**

**5.379D** For sharing of the band 1 668-1 675 MHz between the mobile-satellite service and the fixed, mobile and space research (passive) services, Resolution 744 (WRC-03) shall apply. (WRC-03)

**ADD**

**5.379E** In the band 1 668.4-1 675 MHz, stations in the mobile-satellite service shall not cause harmful interference to stations in the meteorological aids service in China, Iran (Islamic Republic of), Japan and Uzbekistan. In the band 1 668.4-1 675 MHz, administrations are urged not to implement new systems in the meteorological aids service and are encouraged to migrate existing meteorological aids service operations to other bands as soon as practicable. (WRC-03)

**ADD**

**5.380A** In the band 1 670-1 675 MHz, stations in the mobile-satellite service shall not cause harmful interference to, nor constrain the development of, existing earth stations in the meteorological-satellite service notified in accordance with Resolution 670 (WRC-03). (WRC-03)

**MOD**

**5.381** *Additional allocation:* in Afghanistan, Costa Rica, Cuba, India, Iran (Islamic Republic of) and Pakistan, the band 1 690-1 700 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-03)

**MOD**

**5.382** *Different category of service:* in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, Bosnia and Herzegovina, Bulgaria, Congo (Rep. of the), Egypt, the United Arab Emirates, Eritrea, Ethiopia, the Russian Federation, Guinea, Hungary, Iraq, Israel, Jordan, Kazakhstan, Kuwait, the Former Yugoslav Republic of Macedonia, Lebanon, Mauritania, Moldova, Mongolia, Oman, Uzbekistan, Poland, Qatar, Syrian Arab Republic, Kyrgyzstan, Romania, Serbia and Montenegro, Somalia, Tajikistan, Tanzania, Turkmenistan, Ukraine and Yemen, the allocation of the band 1 690-1 700 MHz to the fixed and mobile, except aeronautical mobile, services is on a primary basis (see No. 5.33), and in the Dem. People's Rep. of Korea, the allocation of the band 1 690-1 700 MHz to the fixed service is on a primary basis (see No. 5.33) and to the mobile, except aeronautical mobile, service on a secondary basis. (WRC-03)

**MOD**

1 710-2 170 MHz

Allocation to services		
Region 1	Region 2	Region 3
1 710-1 930	FIXED MOBILE 5.380 5.384A 5.388A 5.149 5.341 5.385 5.386 5.387 5.388	
1 930-1 970 FIXED MOBILE 5.388A  5.388	1 930-1 970 FIXED MOBILE 5.388A Mobile-satellite (Earth-to-space) 5.388	1 930-1 970 FIXED MOBILE 5.388A  5.388
1 970-1 980	FIXED MOBILE 5.388A 5.388	
1 980-2 010	FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 5.351A 5.388 5.389A 5.389B 5.389F	
2 010-2 025 FIXED MOBILE 5.388A  5.388	2 010-2 025 FIXED MOBILE MOBILE-SATELLITE (Earth-to-space) 5.388 5.389C 5.389E 5.390	2 010-2 025 FIXED MOBILE 5.388A  5.388
...		
2 160-2 170 FIXED MOBILE 5.388A  5.388 5.392A	2 160-2 170 FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.388 5.389C 5.389E 5.390	2 160-2 170 FIXED MOBILE 5.388A  5.388

**MOD**

**5.386** *Additional allocation:* the band 1 750-1 850 MHz is also allocated to the space operation (Earth-to-space) and space research (Earth-to-space) services in Region 2, in Australia, Guam, India, Indonesia and Japan on a primary basis, subject to agreement obtained under No. 9.21, having particular regard to troposcatter systems. (WRC-03)

**MOD**

**5.387** *Additional allocation:* in Azerbaijan, Belarus, Georgia, Kazakhstan, Mongolia, Kyrgyzstan, Slovakia, Romania, Tajikistan and Turkmenistan, the band 1 770-1 790 MHz is also allocated to the meteorological-satellite service on a primary basis, subject to agreement obtained under No. 9.21. (WRC-03)

**MOD**

**5.388A** In Regions 1 and 3, the bands 1 885-1 980 MHz, 2 010-2 025 MHz and 2 110-2 170 MHz and, in Region 2, the bands 1 885-1 980 MHz and 2 110-2 160 MHz may be used by high altitude platform stations as base stations to provide International Mobile Telecommunications-2000 (IMT-2000), in accordance with Resolution **221 (Rev.WRC-03)**. Their use by IMT-2000 applications using high altitude platform stations as base stations does not preclude the use of these bands by any station in the services to which they are allocated and does not establish priority in the Radio Regulations. (WRC-03)

**ADD**

**5.388B** In Algeria, Saudi Arabia, Bahrain, Benin, Burkina Faso, Cameroon, Comoros, Côte d'Ivoire, China, Cuba, Djibouti, Egypt, United Arab Emirates, Eritrea, Ethiopia, Gabon, Ghana, India, Iran (Islamic Republic of), Israel, Libyan Arab Jamahiriya, Jordan, Kenya, Kuwait, Mali, Morocco, Mauritania, Nigeria, Oman, Uganda, Qatar, Syrian Arab Republic, Senegal, Singapore, Sudan, Tanzania, Chad, Togo, Tunisia, Yemen, Zambia and Zimbabwe, for the purpose of protecting fixed and mobile services, including IMT-2000 mobile stations, in their territories from co-channel interference, a HAPS operating as an IMT-2000 base station in neighbouring countries, in the bands referred to in No. **5.388A**, shall not exceed a co-channel power flux-density of  $-127$  dB(W/(m<sup>2</sup> · MHz)) at the Earth's surface outside a country's borders unless explicit agreement of the affected administration is provided at the time of the notification of HAPS. (WRC-03)

**SUP**

**5.389D**

**MOD**

**5.395** In France and Turkey, the use of the band 2 310-2 360 MHz by the aeronautical mobile service for telemetry has priority over other uses by the mobile service. (WRC-03)

**MOD**

**5.400** *Different category of service:* in Angola, Australia, Bangladesh, Burundi, China, Eritrea, Ethiopia, India, Iran (Islamic Republic of), Lebanon, Liberia, Libyan Arab Jamahiriya, Madagascar, Mali, Pakistan, Papua New Guinea, Dem. Rep. of the Congo, Syrian Arab Republic, Sudan, Swaziland, Togo and Zambia, the allocation of the band 2 483.5-2 500 MHz to the radiodetermination-satellite service (space-to-Earth) is on a primary basis (see No. **5.33**), subject to agreement obtained under No. **9.21** from countries not listed in this provision. (WRC-03)



## MOD

## 2 520-2 700 MHz

Allocation to services		
Region 1	Region 2	Region 3
<b>2 520-2 655</b> FIXED 5.409 5.410 5.411 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416  5.339 5.403 5.405 5.412 5.417C 5.417D 5.418B 5.418C	<b>2 520-2 655</b> FIXED 5.409 5.411 FIXED-SATELLITE (space-to-Earth) 5.415 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416  5.339 5.403 5.417C 5.417D 5.418B 5.418C	<b>2 520-2 535</b> FIXED 5.409 5.411 FIXED-SATELLITE (space-to-Earth) 5.415 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416 5.403 5.415A  <b>2 535-2 655</b> FIXED 5.409 5.411 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416 5.339 5.418 5.417A 5.417B 5.417C 5.417D 5.418A 5.418B 5.418C
<b>2 655-2 670</b> FIXED 5.409 5.410 5.411 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.347A 5.413 5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive)  5.149 5.420	<b>2 655-2 670</b> FIXED 5.409 5.411 FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.347A 5.415 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.347A 5.413 5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive)  5.149 5.420	<b>2 655-2 670</b> FIXED 5.409 5.411 FIXED-SATELLITE (Earth-to-space) 5.415 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.347A 5.413 5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive)  5.149 5.420
<b>2 670-2 690</b> FIXED 5.409 5.410 5.411 MOBILE except aeronautical mobile 5.384A MOBILE-SATELLITE (Earth-to-space) 5.351A Earth exploration-satellite (passive) Radio astronomy Space research (passive)  5.149 5.412 5.419 5.420	<b>2 670-2 690</b> FIXED 5.409 5.411 FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.347A 5.415 MOBILE except aeronautical mobile 5.384A MOBILE-SATELLITE (Earth-to-space) 5.351A Earth exploration-satellite (passive) Radio astronomy Space research (passive)  5.149 5.419 5.420	<b>2 670-2 690</b> FIXED 5.409 5.411 FIXED-SATELLITE (Earth-to-space) 5.415 MOBILE except aeronautical mobile 5.384A MOBILE-SATELLITE (Earth-to-space) 5.351A Earth exploration-satellite (passive) Radio astronomy Space research (passive)  5.149 5.419 5.420 5.420A
<b>2 690-2 700</b>	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.422	

**MOD**

**5.416** The use of the band 2 520-2 670 MHz by the broadcasting-satellite service is limited to national and regional systems for community reception, subject to agreement obtained under No. **9.21**. (WRC-03)

**MOD**

**5.418** *Additional allocation:* in Korea (Rep. of), India, Japan, Pakistan and Thailand, the band 2 535-2 655 MHz is also allocated to the broadcasting-satellite service (sound) and complementary terrestrial broadcasting service on a primary basis. Such use is limited to digital audio broadcasting and is subject to the provisions of Resolution **528 (Rev.WRC-03)**. The provisions of No. **5.416** and Table **21-4** of Article **21**, do not apply to this additional allocation. Use of non-geostationary-satellite systems in the broadcasting-satellite service (sound) is subject to Resolution **539 (Rev.WRC-03)**. Geostationary broadcasting-satellite service (sound) systems for which complete Appendix 4 coordination information has been received after 1 June 2005 are limited to systems intended for national coverage. The power flux-density at the Earth's surface produced by emissions from a geostationary broadcasting-satellite service (sound) space station operating in the band 2 630-2 655 MHz, and for which complete Appendix 4 coordination information has been received after 1 June 2005, shall not exceed the following limits, for all conditions and for all methods of modulation:

$-130 \text{ dB(W/(m}^2 \cdot \text{MHz))}$	for $0^\circ \leq \theta \leq 5^\circ$
$-130 + 0.4(\theta - 5) \text{ dB(W/(m}^2 \cdot \text{MHz))}$	for $5^\circ < \theta \leq 25^\circ$
$-122 \text{ dB(W/(m}^2 \cdot \text{MHz))}$	for $25^\circ < \theta \leq 90^\circ$

where  $\theta$  is the angle of arrival of the incident wave above the horizontal plane, in degrees. These limits may be exceeded on the territory of any country whose administration has so agreed. As an exception to the limits above, the pfd value of  $-122 \text{ dB(W/(m}^2 \cdot \text{MHz))}$  shall be used as a threshold for coordination under No. **9.11** in an area of 1 500 km around the territory of the administration notifying the broadcasting-satellite service (sound) system. In addition, the pfd value shall not exceed  $-100 \text{ dB(W/(m}^2 \cdot \text{MHz))}$  anywhere on the territory of the Russian Federation.

In addition, an administration listed in this provision shall not have simultaneously two overlapping frequency assignments, one under this provision and the other under No. **5.416** for systems for which complete Appendix 4 coordination information has been received after 1 June 2005. (WRC-03)

**ADD**

**5.417A** In applying provision No. **5.418**, in Korea (Rep. of) and Japan, *resolves 3* of Resolution **528 (Rev.WRC-03)** is relaxed to allow the broadcasting-satellite service (sound) and the complementary terrestrial broadcasting service to additionally operate on a primary basis in the band 2 605-2 630 MHz. This use is limited to systems intended for national coverage. An administration listed in this provision shall not have simultaneously two overlapping frequency assignments, one under this provision and the other under No. **5.416**. The provisions of No. **5.416** and Table **21-4** of Article **21** do not apply. Use of non-geostationary-satellite systems in the broadcasting-satellite service (sound) in the band 2 605-2 630 MHz is subject to the provisions of Resolution **539 (Rev.WRC-03)**. The power flux-density at the Earth's surface produced by emissions from a geostationary broadcasting-satellite service (sound) space station operating in the band 2 605-2 630 MHz for which complete Appendix 4 coordination information, or notification information, has been received after 4 July 2003, for all conditions and for all methods of modulation, shall not exceed the following limits:

$-130 \text{ dB(W/(m}^2 \cdot \text{MHz))}$	for $0^\circ \leq \theta \leq 5^\circ$
$-130 + 0.4(\theta - 5) \text{ dB(W/(m}^2 \cdot \text{MHz))}$	for $5^\circ < \theta \leq 25^\circ$
$-122 \text{ dB(W/(m}^2 \cdot \text{MHz))}$	for $25^\circ < \theta \leq 90^\circ$

where  $\theta$  is the angle of arrival of the incident wave above the horizontal plane, in degrees. These limits may be exceeded on the territory of any country whose administration has so agreed. In the case of the broadcasting-satellite service (sound) networks of Korea (Rep. of), as an exception to the limits above, the pfd value of  $-122 \text{ dB(W/(m}^2 \cdot \text{MHz))}$  shall be used as a threshold for coordination under No. 9.11 in an area of 1 000 km around the territory of the administration notifying the BSS (sound) system, for angles of arrival greater than  $35^\circ$ . (WRC-03)

#### ADD

**5.417B** In Korea (Rep. of) and Japan, use of the band 2 605-2 630 MHz by non-geostationary-satellite systems in the broadcasting-satellite service (sound), pursuant to No. 5.417A, for which complete Appendix 4 coordination information, or notification information, has been received after 4 July 2003, is subject to the application of the provisions of No. 9.12A, in respect of geostationary-satellite networks for which complete Appendix 4 coordination information, or notification information, is considered to have been received after 4 July 2003, and No. 22.2 does not apply. No. 22.2 shall continue to apply with respect to geostationary-satellite networks for which complete Appendix 4 coordination information, or notification information, is considered to have been received before 5 July 2003. (WRC-03)

#### ADD

**5.417C** Use of the band 2 605-2 630 MHz by non-geostationary-satellite systems in the broadcasting-satellite service (sound), pursuant to No. 5.417A, for which complete Appendix 4 coordination information, or notification information, has been received after 4 July 2003, is subject to the application of the provisions of No. 9.12. (WRC-03)

#### ADD

**5.417D** Use of the band 2 605-2 630 MHz by geostationary-satellite networks for which complete Appendix 4 coordination information, or notification information, has been received after 4 July 2003 is subject to the application of the provisions of No. 9.13 with respect to non-geostationary-satellite systems in the broadcasting-satellite service (sound), pursuant to No. 5.417A, and No. 22.2 does not apply. (WRC-03)

#### MOD

**5.418A** In certain Region 3 countries listed in No. 5.418, use of the band 2 630-2 655 MHz by non-geostationary-satellite systems in the broadcasting-satellite service (sound) for which complete Appendix 4 coordination information, or notification information, has been received after 2 June 2000, is subject to the application of the provisions of No. 9.12A, in respect of geostationary-satellite networks for which complete Appendix 4 coordination information, or notification information, is considered to have been received after 2 June 2000, and No. 22.2 does not apply. No. 22.2 shall continue to apply with respect to geostationary-satellite networks for which complete Appendix 4 coordination information, or notification information, is considered to have been received before 3 June 2000. (WRC-03)

#### MOD

**5.418B** Use of the band 2 630-2 655 MHz by non-geostationary-satellite systems in the broadcasting-satellite service (sound), pursuant to No. 5.418, for which complete Appendix 4 coordination information, or notification information, has been received after 2 June 2000, is subject to the application of the provisions of No. 9.12. (WRC-03)

#### MOD

**5.418C** Use of the band 2 630-2 655 MHz by geostationary-satellite networks for which complete Appendix 4 coordination information, or notification information, has been received after 2 June 2000 is subject to the application of the provisions of No. 9.13 with respect to non-geostationary-satellite systems in the broadcasting-satellite service (sound), pursuant to No. 5.418 and No. 22.2 does not apply. (WRC-03)

**SUP**

5.421

**MOD**

**5.422** *Additional allocation:* in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, Bosnia and Herzegovina, Brunei Darussalam, Congo (Rep. of the), Côte d'Ivoire, Cuba, Egypt, the United Arab Emirates, Eritrea, Ethiopia, the Russian Federation, Gabon, Georgia, Guinea, Guinea-Bissau, Iran (Islamic Republic of), Iraq, Israel, Jordan, Lebanon, Mauritania, Moldova, Mongolia, Nigeria, Oman, Uzbekistan, Pakistan, the Philippines, Qatar, Syrian Arab Republic, Kyrgyzstan, the Dem. Rep. of the Congo, Romania, Serbia and Montenegro, Somalia, Tajikistan, Tunisia, Turkmenistan, Ukraine and Yemen, the band 2 690-2 700 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. Such use is limited to equipment in operation by 1 January 1985. (WRC-03)

**MOD****2 700-4 800 MHz**

Allocation to services		
Region 1	Region 2	Region 3
2 900-3 100	RADIOLOCATION 5.424A RADIONAVIGATION 5.426 5.425 5.427	

**ADD**

**5.424A** In the band 2 900-3 100 MHz, stations in the radiolocation service shall not cause harmful interference to, nor claim protection from, radar systems in the radionavigation service. (WRC-03)

**MOD**

**5.428** *Additional allocation:* in Azerbaijan, Cuba, Mongolia, Kyrgyzstan, Romania and Turkmenistan, the band 3 100-3 300 MHz is also allocated to the radionavigation service on a primary basis. (WRC-03)

**MOD**

**5.429** *Additional allocation:* in Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, China, Congo (Rep. of the), Korea (Rep. of), the United Arab Emirates, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kenya, Kuwait, Lebanon, Libyan Arab Jamahiriya, Malaysia, Oman, Pakistan, Qatar, Syrian Arab Republic, Dem. People's Rep. of Korea and Yemen, the band 3 300-3 400 MHz is also allocated to the fixed and mobile services on a primary basis. The countries bordering the Mediterranean shall not claim protection for their fixed and mobile services from the radiolocation service. (WRC-03)

**MOD**

**5.430** *Additional allocation:* in Azerbaijan, Cuba, Mongolia, Kyrgyzstan, Romania and Turkmenistan, the band 3 300-3 400 MHz is also allocated to the radionavigation service on a primary basis. (WRC-03)

**MOD**

**5.431** *Additional allocation:* in Germany, Israel and the United Kingdom, the band 3 400-3 475 MHz is also allocated to the amateur service on a secondary basis. (WRC-03)

## MOD

## 4 800-5 830 MHz

Allocation to services		
Region 1	Region 2	Region 3
5 000-5 010	AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space) 5.367	
5 010-5 030	AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (Earth-to-space) (space-space) 5.328B 5.443B 5.367	
5 030-5 150	AERONAUTICAL RADIONAVIGATION 5.367 5.444 5.444A	
5 150-5 250	AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (Earth-to-space) 5.447A MOBILE except aeronautical mobile 5.446A 5.446B 5.446 5.447 5.447B 5.447C	
5 250-5 255	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH 5.447D MOBILE except aeronautical mobile 5.446A 5.447F 5.447E 5.448 5.448A	
5 255-5 350	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) MOBILE except aeronautical mobile 5.446A 5.447F 5.447E 5.448 5.448A	
5 350-5 460	EARTH EXPLORATION-SATELLITE (active) 5.448B SPACE RESEARCH (active) 5.448C AERONAUTICAL RADIONAVIGATION 5.449 RADIOLOCATION 5.448D	
5 460-5 470	RADIONAVIGATION 5.449 EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION 5.448D 5.448B	
5 470-5 570	MARITIME RADIONAVIGATION MOBILE except aeronautical mobile 5.446A 5.450A EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION 5.450B 5.448B 5.450 5.451 5.452	
5 570-5 650	MARITIME RADIONAVIGATION MOBILE except aeronautical mobile 5.446A 5.450A RADIOLOCATION 5.450B 5.450 5.451 5.452	
5 650-5 725	RADIOLOCATION MOBILE except aeronautical mobile 5.446A 5.450A Amateur Space research (deep space) 5.282 5.451 5.453 5.454 5.455	

**SUP****5.443A****MOD**

**5.443B** In order not to cause harmful interference to the microwave landing system operating above 5 030 MHz, the aggregate power flux-density produced at the Earth's surface in the band 5 030-5 150 MHz by all the space stations within any radionavigation-satellite service system (space-to-Earth) operating in the band 5 010-5 030 MHz shall not exceed  $-124.5$  dB(W/m<sup>2</sup>) in a 150 kHz band. In order not to cause harmful interference to the radio astronomy service in the band 4 990-5 000 MHz, radionavigation-satellite service systems operating in the band 5 010-5 030 MHz shall comply with the limits in the band 4 990-5 000 MHz defined in Resolution 741 (WRC-03). (WRC-03)

**MOD**

**5.444** The band 5 030-5 150 MHz is to be used for the operation of the international standard system (microwave landing system) for precision approach and landing. The requirements of this system shall take precedence over other uses of this band. For the use of this band, No. 5.444A and Resolution 114 (Rev.WRC-03) apply. (WRC-03)

**MOD**

**5.444A** *Additional allocation:* the band 5 091-5 150 MHz is also allocated to the fixed-satellite service (Earth-to-space) on a primary basis. This allocation is limited to feeder links of non-geostationary mobile-satellite systems in the mobile-satellite service and is subject to coordination under No. 9.11A.

In the band 5 091-5 150 MHz, the following conditions also apply:

- prior to 1 January 2018, the use of the band 5 091-5 150 MHz by feeder links of non-geostationary-satellite systems in the mobile-satellite service shall be made in accordance with Resolution 114 (Rev.WRC-03);
- prior to 1 January 2018, the requirements of existing and planned international standard systems for the aeronautical radionavigation service which cannot be met in the 5 000-5 091 MHz band, shall take precedence over other uses of this band;
- after 1 January 2012, no new assignments shall be made to earth stations providing feeder links of non-geostationary mobile-satellite systems;
- after 1 January 2018, the fixed-satellite service will become secondary to the aeronautical radionavigation service. (WRC-03)

**ADD**

**5.446A** The use of the bands 5 150-5 350 MHz and 5 470-5 725 MHz by the stations in the mobile service shall be in accordance with Resolution 229 (WRC-03). (WRC-03)

**ADD**

**5.446B** In the band 5 150-5 250 MHz, stations in the mobile service shall not claim protection from earth stations in the fixed-satellite service. No. 5.43A does not apply to the mobile service with respect to fixed-satellite service earth stations. (WRC-03)

**MOD**

**5.447** *Additional allocation:* in Israel, Lebanon, Pakistan, the Syrian Arab Republic and Tunisia, the band 5 150-5 250 MHz is also allocated to the mobile service, on a primary basis, subject to agreement obtained under No. 9.21. In this case, the provisions of Resolution 229 (WRC-03) do not apply. (WRC-03)

**ADD**

**5.447E** *Additional allocation:* The band 5 250-5 350 MHz is also allocated to the fixed service on a primary basis in the following countries in Region 3: Australia, Korea (Rep. of), India, Indonesia, Iran (Islamic Republic of), Japan, Malaysia, Papua New Guinea, Philippines, Sri Lanka, Thailand and Viet Nam. The use of this band by the fixed service is intended for the implementation of fixed wireless access systems and shall comply with Recommendation ITU-R F.1613. In addition, the fixed service shall not claim protection from the radiodetermination, Earth exploration-satellite (active) and space research (active) services, but the provisions of No. 5.43A do not apply to the fixed service with respect to the Earth exploration-satellite (active) and space research (active) services. After implementation of fixed wireless access systems in the fixed service with protection for the existing radiodetermination systems, no more stringent constraints should be imposed on the fixed wireless access systems by future radiodetermination implementations. (WRC-03)

**ADD**

**5.447F** In the band 5 250-5 350 MHz, stations in the mobile service shall not claim protection from the radiolocation service, the Earth exploration-satellite service (active) and the space research service (active). These services shall not impose on the mobile service more stringent protection criteria, based on system characteristics and interference criteria, than those stated in Recommendations ITU-R M.1638 and ITU-R SA.1632. (WRC-03)

**MOD**

**5.448** *Additional allocation:* in Azerbaijan, Libyan Arab Jamahiriya, Mongolia, Kyrgyzstan, Slovakia, Romania and Turkmenistan, the band 5 250-5 350 MHz is also allocated to the radionavigation service on a primary basis. (WRC-03)

**MOD**

**5.448A** The Earth exploration-satellite (active) and space research (active) services in the frequency band 5 250-5 350 MHz shall not claim protection from the radiolocation service. No. 5.43A does not apply. (WRC-03)

**MOD**

**5.448B** The Earth exploration-satellite service (active) operating in the band 5 350-5 570 MHz and space research service (active) operating in the band 5 460-5 570 MHz shall not cause harmful interference to the aeronautical radionavigation service in the band 5 350-5 460 MHz, the radionavigation service in the band 5 460-5 470 MHz and the maritime radionavigation service in the band 5 470-5 570 MHz. (WRC-03)

**ADD**

**5.448C** The space research service (active) operating in the band 5 350-5 460 MHz shall not cause harmful interference to nor claim protection from other services to which this band is allocated. (WRC-03)

**ADD**

**5.448D** In the frequency band 5 350-5 470 MHz, stations in the radiolocation service shall not cause harmful interference to, nor claim protection from, radar systems in the aeronautical radionavigation service operating in accordance with No. 5.449. (WRC-03)

**MOD**

**5.450** *Additional allocation:* in Austria, Azerbaijan, Iran (Islamic Republic of), Mongolia, Kyrgyzstan, Romania, Turkmenistan and Ukraine, the band 5 470-5 650 MHz is also allocated to the aeronautical radionavigation service on a primary basis. (WRC-03)

**ADD**

**5.450A** In the band 5 470-5 725 MHz, stations in the mobile service shall not claim protection from radiodetermination services. Radiodetermination services shall not impose on the mobile service more stringent protection criteria, based on system characteristics and interference criteria, than those stated in Recommendation ITU-R M.1638. (WRC-03)

**ADD**

**5.450B** In the frequency band 5 470-5 650 MHz, stations in the radiolocation service, except ground-based radars used for meteorological purposes in the band 5 600-5 650 MHz, shall not cause harmful interference to, nor claim protection from, radar systems in the maritime radionavigation service. (WRC-03)

**MOD**

**5.453** *Additional allocation:* in Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, Cameroon, China, Congo (Rep. of the), Korea (Rep. of), Côte d'Ivoire, Egypt, the United Arab Emirates, Gabon, Guinea, Equatorial Guinea, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kenya, Kuwait, Lebanon, the Libyan Arab Jamahiriya, Madagascar, Malaysia, Nigeria, Oman, Pakistan, the Philippines, Qatar, the Syrian Arab Republic, the Dem. People's Rep. of Korea, Singapore, Sri Lanka, Swaziland, Tanzania, Chad, Thailand, Togo, Viet Nam and Yemen, the band 5 650-5 850 MHz is also allocated to the fixed and mobile services on a primary basis. In this case, the provisions of Resolution **229 (WRC-03)** do not apply. (WRC-03)

**MOD**

**5.454** *Different category of service:* in Azerbaijan, the Russian Federation, Georgia, Mongolia, Uzbekistan, Kyrgyzstan, Tajikistan and Turkmenistan, the allocation of the band 5 670-5 725 MHz to the space research service is on a primary basis (see No. 5.33). (WRC-03)

**MOD**

**5.455** *Additional allocation:* in Armenia, Azerbaijan, Belarus, Cuba, the Russian Federation, Georgia, Hungary, Kazakhstan, Latvia, Moldova, Mongolia, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the band 5 670-5 850 MHz is also allocated to the fixed service on a primary basis. (WRC-03)

**MOD**

**5.456** *Additional allocation:* in Cameroon, the band 5 755-5 850 MHz is also allocated to the fixed service on a primary basis. (WRC-03)

**MOD****5 830-7 550 MHz**

Allocation to services		
Region 1	Region 2	Region 3
5 925-6 700	FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B MOBILE 5.149 5.440 5.458	
...		
7 075-7 145	FIXED MOBILE 5.458 5.459	
7 145-7 235	FIXED MOBILE SPACE RESEARCH (Earth-to-space) 5.460 5.458 5.459	
7 235-7 250	FIXED MOBILE 5.458	



**ADD**

**5.457A** In the bands 5 925-6 425 MHz and 14-14.5 GHz, earth stations located on board vessels may communicate with space stations of the fixed-satellite service. Such use shall be in accordance with Resolution **902 (WRC-03)**. (WRC-03)

**ADD**

**5.457B** In the bands 5 925-6 425 MHz and 14-14.5 GHz, earth stations located on board vessels may operate with the characteristics and under the conditions contained in Resolution **902 (WRC-03)** in Algeria, Saudi Arabia, Bahrain, Comoros, Djibouti, Egypt, United Arab Emirates, Jordan, Kuwait, Libyan Arab Jamahiriya, Morocco, Mauritania, Oman, Qatar, Syrian Arab Republic, Sudan, Tunisia and Yemen, in the maritime mobile-satellite service on a secondary basis. Such use shall be in accordance with Resolution **902 (WRC-03)**. (WRC-03)

**MOD**

**5.460** The use of the band 7 145-7 190 MHz by the space research service (Earth-to-space) is restricted to deep space; no emissions to deep space shall be effected in the band 7 190-7 235 MHz. Geostationary satellites in the space research service operating in the band 7 190-7 235 MHz shall not claim protection from existing and future stations of the fixed and mobile services and No. **5.43A** does not apply. (WRC-03)

**MOD****7 550-8 750 GHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>8 400-8 500</b>	FIXED 5.486 MOBILE except aeronautical mobile SPACE RESEARCH (space-to-Earth) 5.465 5.466	

**MOD**

**5.466** *Different category of service:* in Israel, Singapore and Sri Lanka, the allocation of the band 8 400-8 500 MHz to the space research service is on a secondary basis (see No. **5.32**). (WRC-03)

**SUP**

**5.467**

**MOD**

**5.468** *Additional allocation:* in Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, Burundi, Cameroon, China, Congo (Rep. of the), Costa Rica, Egypt, the United Arab Emirates, Gabon, Guyana, Indonesia, Iran (Islamic Republic of), Iraq, Jamaica, Jordan, Kenya, Kuwait, Lebanon, Libyan Arab Jamahiriya, Malaysia, Mali, Morocco, Mauritania, Nepal, Nigeria, Oman, Pakistan, Qatar, Syrian Arab Republic, Dem. People's Rep. of Korea, Senegal, Singapore, Somalia, Swaziland, Tanzania, Chad, Togo, Tunisia and Yemen, the band 8 500-8 750 MHz is also allocated to the fixed and mobile services on a primary basis. (WRC-03)

**MOD**

**5.469** *Additional allocation:* in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Hungary, Lithuania, Moldova, Mongolia, Uzbekistan, Poland, Kyrgyzstan, the Czech Rep., Romania, Tajikistan, Turkmenistan and Ukraine, the band 8 500-8 750 MHz is also allocated to the land mobile and radionavigation services on a primary basis. (WRC-03)

**MOD**

**5.473** *Additional allocation:* in Armenia, Austria, Azerbaijan, Belarus, Bulgaria, Cuba, the Russian Federation, Georgia, Hungary, Moldova, Mongolia, Uzbekistan, Poland, Kyrgyzstan, Romania, Tajikistan, Turkmenistan and Ukraine, the bands 8 850-9 000 MHz and 9 200-9 300 MHz are also allocated to the radionavigation service on a primary basis. (WRC-03)

**MOD**

**5.477** *Different category of service:* in Algeria, Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, Cameroon, Egypt, the United Arab Emirates, Eritrea, Ethiopia, Guyana, India, Indonesia, Iran (Islamic Republic of), Iraq, Jamaica, Japan, Jordan, Kuwait, Lebanon, Liberia, Malaysia, Nigeria, Oman, Pakistan, Qatar, the Dem. People's Rep. of Korea, Singapore, Somalia, Sudan, Trinidad and Tobago, and Yemen, the allocation of the band 9 800-10 000 MHz to the fixed service is on a primary basis (see No. 5.33). (WRC-03)

**MOD**

**5.478** *Additional allocation:* in Azerbaijan, Bulgaria, Mongolia, Kyrgyzstan, Romania, Turkmenistan and Ukraine, the band 9 800-10 000 MHz is also allocated to the radionavigation service on a primary basis. (WRC-03)

**MOD**

**5.481** *Additional allocation:* in Germany, Angola, Brazil, China, Costa Rica, Côte d'Ivoire, El Salvador, Ecuador, Spain, Guatemala, Hungary, Japan, Kenya, Morocco, Nigeria, Oman, Uzbekistan, Paraguay, Peru, the Dem. People's Rep. of Korea, Tanzania, Thailand and Uruguay, the band 10.45-10.5 GHz is also allocated to the fixed and mobile services on a primary basis. (WRC-03)

**MOD**

**5.482** In the band 10.6-10.68 GHz, stations of the fixed and mobile, except aeronautical mobile, services shall be limited to a maximum equivalent isotropically radiated power of 40 dBW and the power delivered to the antenna shall not exceed -3 dBW. These limits may be exceeded subject to agreement obtained under No. 9.21. However, in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Bangladesh, Belarus, China, the United Arab Emirates, Georgia, India, Indonesia, Iran (Islamic Republic of), Iraq, Japan, Kazakhstan, Kuwait, Latvia, Lebanon, Moldova, Nigeria, Pakistan, the Philippines, Qatar, Syrian Arab Republic, Tajikistan and Turkmenistan, the restrictions on the fixed and mobile, except aeronautical mobile, services are not applicable. (WRC-03)

**MOD**

**5.483** *Additional allocation:* in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, Bosnia and Herzegovina, China, Colombia, Korea (Rep. of), Costa Rica, Egypt, the United Arab Emirates, Georgia, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kazakhstan, Kuwait, Lebanon, Mongolia, Uzbekistan, Qatar, Kyrgyzstan, the Dem. People's Rep. of Korea, Romania, Serbia and Montenegro, Tajikistan, Turkmenistan and Yemen, the band 10.68-10.7 GHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. Such use is limited to equipment in operation by 1 January 1985. (WRC-03)

## MOD

## 11.7-14.25 GHz

Allocation to services		
Region 1	Region 2	Region 3
11.7-12.5 FIXED BROADCASTING BROADCASTING-SATELLITE MOBILE except aeronautical mobile  5.487 5.487A 5.492	11.7-12.1 FIXED 5.486 FIXED-SATELLITE (space-to-Earth) 5.484A Mobile except aeronautical mobile 5.485 5.488	11.7-12.2 FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE  5.487 5.487A 5.492
	12.1-12.2 FIXED-SATELLITE (space-to-Earth) 5.484A 5.485 5.488 5.489	
		12.2-12.7 FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE  5.487A 5.488 5.490 5.492
12.5-12.75 FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space)  5.494 5.495 5.496	12.7-12.75 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile	12.5-12.75 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A MOBILE except aeronautical mobile BROADCASTING- SATELLITE 5.493
...		
13.75-14	FIXED-SATELLITE (Earth-to-space) 5.484A RADIOLOCATION Earth exploration-satellite Standard frequency and time signal-satellite (Earth-to-space) Space research 5.499 5.500 5.501 5.502 5.503	
14-14.25	FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.504C 5.506A Space research 5.504A 5.505	

**MOD**

**5.487** In the band 11.7-12.5 GHz in Regions 1 and 3, the fixed, fixed-satellite, mobile, except aeronautical mobile, and broadcasting services, in accordance with their respective allocations, shall not cause harmful interference to, or claim protection from, broadcasting-satellite stations operating in accordance with the Regions 1 and 3 Plan in Appendix 30. (WRC-03)

**MOD**

**5.487A** *Additional allocation:* in Region 1, the band 11.7-12.5 GHz, in Region 2, the band 12.2-12.7 GHz and, in Region 3, the band 11.7-12.2 GHz, are also allocated to the fixed-satellite service (space-to-Earth) on a primary basis, limited to non-geostationary systems and subject to application of the provisions of No. 9.12 for coordination with other non-geostationary-satellite systems in the fixed-satellite service. Non-geostationary-satellite systems in the fixed-satellite service shall not claim protection from geostationary-satellite networks in the broadcasting-satellite service operating in accordance with the Radio Regulations, irrespective of the dates of receipt by the Bureau of the complete coordination or notification information, as appropriate, for the non-geostationary-satellite systems in the fixed-satellite service and of the complete coordination or notification information, as appropriate, for the geostationary-satellite networks, and No. 5.43A does not apply. Non-geostationary-satellite systems in the fixed-satellite service in the above bands shall be operated in such a way that any unacceptable interference that may occur during their operation shall be rapidly eliminated. (WRC-03)

**MOD**

**5.488** The use of the band 11.7-12.2 GHz by geostationary-satellite networks in the fixed-satellite service in Region 2 is subject to application of the provisions of No. 9.14 for coordination with stations of terrestrial services in Regions 1, 2 and 3. For the use of the band 12.2-12.7 GHz by the broadcasting-satellite service in Region 2, see Appendix 30. (WRC-03)

**SUP**

**5.491**

**MOD**

**5.494** *Additional allocation:* in Algeria, Angola, Saudi Arabia, Bahrain, Cameroon, the Central African Rep., Congo (Rep. of the), Côte d'Ivoire, Egypt, the United Arab Emirates, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Iraq, Israel, Jordan, Kuwait, Lebanon, Libyan Arab Jamahiriya, Madagascar, Mali, Morocco, Mongolia, Nigeria, Qatar, Syrian Arab Republic, Dem. Rep. of the Congo, Somalia, Sudan, Chad, Togo and Yemen, the band 12.5-12.75 GHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-03)

**MOD**

**5.495** *Additional allocation:* in Bosnia and Herzegovina, Croatia, France, Greece, Liechtenstein, Monaco, Uganda, Portugal, Romania, Serbia and Montenegro, Slovenia, Switzerland, Tanzania and Tunisia, the band 12.5-12.75 GHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a secondary basis. (WRC-03)

**MOD**

**5.500** *Additional allocation:* in Algeria, Angola, Saudi Arabia, Bahrain, Brunei Darussalam, Cameroon, Egypt, the United Arab Emirates, Gabon, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kuwait, Lebanon, Madagascar, Malaysia, Mali, Malta, Morocco, Mauritania, Nigeria, Pakistan, Qatar, Syrian Arab Republic, Singapore, Sudan, Chad and Tunisia, the band 13.4-14 GHz is also allocated to the fixed and mobile services on a primary basis. (WRC-03)

**MOD**

**5.501** *Additional allocation:* in Azerbaijan, Hungary, Japan, Mongolia, Kyrgyzstan, Romania, the United Kingdom and Turkmenistan, the band 13.4-14 GHz is also allocated to the radionavigation service on a primary basis. (WRC-03)

**MOD**

**5.502** In the band 13.75-14 GHz, an earth station of a geostationary fixed-satellite service network shall have a minimum antenna diameter of 1.2 m and an earth station of a non-geostationary fixed-satellite service system shall have a minimum antenna diameter of 4.5 m. In addition, the e.i.r.p., averaged over one second, radiated by a station in the radiolocation or radionavigation services shall not exceed 59 dBW for elevation angles above 2° and 65 dBW at lower angles. Before an administration brings into use an earth station in a geostationary-satellite network in the fixed-satellite service in this band with an antenna size smaller than 4.5 m, it shall ensure that the power flux-density produced by this earth station does not exceed:

- $-115 \text{ dB(W/m}^2 \cdot 10 \text{ MHz)}$  for more than 1% of the time produced at 36 m above sea level at the low water mark, as officially recognized by the coastal state;
- $-115 \text{ dB(W/m}^2 \cdot 10 \text{ MHz)}$  for more than 1% of the time produced 3 m above ground at the border of the territory of an administration deploying or planning to deploy land mobile radars in this band, unless prior agreement has been obtained.

For earth stations within the fixed-satellite service having an antenna diameter greater than or equal to 4.5 m, the e.i.r.p. of any emission should be at least 68 dBW and should not exceed 85 dBW. (WRC-03)

**MOD**

**5.503** In the band 13.75-14 GHz, geostationary space stations in the space research service for which information for advance publication has been received by the Bureau prior to 31 January 1992 shall operate on an equal basis with stations in the fixed-satellite service; after that date, new geostationary space stations in the space research service will operate on a secondary basis. Until those geostationary space stations in the space research service for which information for advance publication has been received by the Bureau prior to 31 January 1992 cease to operate in this band:

- in the band 13.77-13.78 GHz, the e.i.r.p. density of emissions from any earth station in the fixed-satellite service operating with a space station in geostationary-satellite orbit shall not exceed:
  - i)  $4.7D + 28 \text{ dB(W/40 kHz)}$ , where  $D$  is the fixed-satellite service earth station antenna diameter (m) for antenna diameters equal to or greater than 1.2 m and less than 4.5 m;
  - ii)  $49.2 + 20 \log(D/4.5) \text{ dB(W/40 kHz)}$ , where  $D$  is the fixed-satellite service earth station antenna diameter (m) for antenna diameters equal to or greater than 4.5 m and less than 31.9 m;
  - iii)  $66.2 \text{ dB(W/40 kHz)}$  for any fixed-satellite service earth station for antenna diameters (m) equal to or greater than 31.9 m;
  - iv)  $56.2 \text{ dB(W/4 kHz)}$  for narrow-band (less than 40 kHz of necessary bandwidth) fixed-satellite service earth station emissions from any fixed-satellite service earth station having an antenna diameter of 4.5 m or greater;
- the e.i.r.p. density of emissions from any earth station in the fixed-satellite service operating with a space station in non-geostationary-satellite orbit shall not exceed 51 dBW in the 6 MHz band from 13.772 to 13.778 GHz.

Automatic power control may be used to increase the e.i.r.p. density in these frequency ranges to compensate for rain attenuation, to the extent that the power flux-density at the fixed-satellite service space station does not exceed the value resulting from use by an earth station of an e.i.r.p. meeting the above limits in clear-sky conditions. (WRC-03)

**SUP**

**5.503A**

**ADD**

**5.504A** In the band 14-14.5 GHz, aircraft earth stations in the secondary aeronautical mobile-satellite service may also communicate with space stations in the fixed-satellite service. The provisions of Nos. 5.29, 5.30 and 5.31 apply. (WRC-03)

**ADD**

**5.504B** Aircraft earth stations operating in the aeronautical mobile-satellite service in the band 14-14.5 GHz shall comply with the provisions of Annex 1, Part C of Recommendation ITU-R M.1643, with respect to any radio astronomy station performing observations in the 14.47-14.5 GHz band located on the territory of Spain, France, India, Italy, the United Kingdom and South Africa. (WRC-03)

**ADD**

**5.504C** In the band 14-14.25 GHz, the power flux-density produced on the territory of the countries of Saudi Arabia, Botswana, Côte d'Ivoire, Egypt, Guinea, India, Iran (Islamic Republic of), Kuwait, Lesotho, Nigeria, Oman, Syrian Arab Republic and Tunisia by any aircraft earth station in the aeronautical mobile-satellite service shall not exceed the limits given in Annex 1, Part B of Recommendation ITU-R M.1643, unless otherwise specifically agreed by the affected administration(s). The provisions of this footnote in no way derogate the obligations of the aeronautical mobile-satellite service to operate as a secondary service in accordance with No. 5.29. (WRC-03)

**MOD**

**5.505** *Additional allocation:* in Algeria, Angola, Saudi Arabia, Bahrain, Bangladesh, Botswana, Brunei Darussalam, Cameroon, China, Congo (Rep. of the), Korea (Rep. of), Egypt, the United Arab Emirates, Gabon, Guatemala, Guinea, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kuwait, Lesotho, Lebanon, Malaysia, Mali, Morocco, Mauritania, Oman, Pakistan, the Philippines, Qatar, Syrian Arab Republic, the Dem. People's Rep. of Korea, Singapore, Somalia, Sudan, Swaziland, Tanzania, Chad and Yemen, the band 14-14.3 GHz is also allocated to the fixed service on a primary basis. (WRC-03)

**ADD**

**5.506A** In the band 14-14.5 GHz, ship earth stations with an e.i.r.p. greater than 21 dBW shall operate under the same conditions as earth stations located on board vessels, as provided in Resolution 902 (WRC-03). This footnote shall not apply to ship earth stations for which the complete Appendix 4 information has been received by the Bureau prior to 5 July 2003. (WRC-03)

**ADD**

**5.506B** Earth stations located on board vessels communicating with space stations in the fixed-satellite service may operate in the frequency band 14-14.5 GHz without the need for prior agreement from Cyprus, Greece and Malta, within the minimum distance given in Resolution 902 (WRC-03) from these countries. (WRC-03)

## MOD

## 14.25-15.63 GHz

Allocation to services		
Region 1	Region 2	Region 3
14.25-14.3	FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.506A 5.508A Space research 5.504A 5.505 5.508 5.509	
14.3-14.4 FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) 5.506A 5.509A Radionavigation-satellite 5.504A	14.3-14.4 FIXED-SATELLITE (Earth-to-space) 5.457A 5.484A 5.506 5.506B Mobile-satellite (Earth-to-space) 5.506A Radionavigation-satellite 5.504A	14.3-14.4 FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.484A 5.506 5.506B MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) 5.506A 5.509A Radionavigation-satellite 5.504A
14.4-14.47	FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) 5.506A 5.509A Space research (space-to-Earth) 5.504A	
14.47-14.5	FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) 5.504B 5.506A 5.509A Radio astronomy 5.149 5.504A	

## MOD

**5.508** *Additional allocation:* in Germany, Bosnia and Herzegovina, France, Italy, The Former Yugoslav Rep. of Macedonia, Libyan Arab Jamahiriya, the United Kingdom, Serbia and Montenegro and Slovenia, the band 14.25-14.3 GHz is also allocated to the fixed service on a primary basis. (WRC-03)

## ADD

**5.508A** In the band 14.25-14.3 GHz, the power flux-density produced on the territory of the countries of Saudi Arabia, Botswana, China, Côte d'Ivoire, Egypt, France, Guinea, India, Iran (Islamic Republic of), Italy, Kuwait, Lesotho, Nigeria, Oman, Syrian Arab Republic, the United Kingdom and Tunisia by any aircraft earth station in the aeronautical mobile-satellite service shall not exceed the limits given in Annex 1, Part B of Recommendation ITU-R M.1643, unless otherwise specifically agreed by the affected administration(s). The provisions of this footnote in no way derogate the obligations of the aeronautical mobile-satellite service to operate as a secondary service in accordance with No. 5.29. (WRC-03)

**ADD**

**5.509A** In the band 14.3-14.5 GHz, the power flux-density produced on the territory of the countries of Saudi Arabia, Botswana, Cameroon, China, Côte d'Ivoire, Egypt, France, Gabon, Guinea, India, Iran (Islamic Republic of), Italy, Kuwait, Lesotho, Morocco, Nigeria, Oman, Syrian Arab Republic, the United Kingdom, Sri Lanka, Tunisia and Viet Nam by any aircraft earth station in the aeronautical mobile-satellite service shall not exceed the limits given in Annex 1, Part B of Recommendation ITU-R M.1643, unless otherwise specifically agreed by the affected administration(s). The provisions of this footnote in no way derogate the obligations of the aeronautical mobile-satellite service to operate as a secondary service in accordance with No. 5.29. (WRC-03)

**MOD****15.63-18.6 GHz**

Allocation to services		
Region 1	Region 2	Region 3
17.3-17.7 FIXED-SATELLITE (Earth-to-space) 5.516 5.516A 5.516B Radiolocation 5.514	17.3-17.7 FIXED-SATELLITE (Earth-to-space) 5.516 BROADCASTING-SATELLITE Radiolocation 5.514 5.515 5.517	17.3-17.7 FIXED-SATELLITE (Earth-to-space) 5.516 Radiolocation 5.514
...		
18.1-18.4	FIXED FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B (Earth-to-space) 5.520 MOBILE 5.519 5.521	
18.4-18.6	FIXED FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE	

**MOD**

**5.512** *Additional allocation:* in Algeria, Angola, Saudi Arabia, Austria, Bahrain, Bangladesh, Bosnia and Herzegovina, Brunei Darussalam, Cameroon, Congo (Rep. of the), Costa Rica, Egypt, El Salvador, the United Arab Emirates, Eritrea, Finland, Guatemala, India, Indonesia, Iran (Islamic Republic of), Jordan, Kenya, Kuwait, Libyan Arab Jamahiriya, Malaysia, Mali, Morocco, Mauritania, Mozambique, Nepal, Nicaragua, Oman, Pakistan, Qatar, Serbia and Montenegro, Singapore, Slovenia, Somalia, Sudan, Swaziland, Tanzania, Chad, Togo and Yemen, the band 15.7-17.3 GHz is also allocated to the fixed and mobile services on a primary basis. (WRC-03)

**MOD**

**5.514** *Additional allocation:* in Algeria, Angola, Saudi Arabia, Austria, Bahrain, Bangladesh, Bosnia and Herzegovina, Cameroon, Costa Rica, El Salvador, the United Arab Emirates, Finland, Guatemala, India, Iran (Islamic Republic of), Iraq, Israel, Italy, Japan, Jordan, Kuwait, Libyan Arab Jamahiriya, Lithuania, Nepal, Nicaragua, Nigeria, Oman, Uzbekistan, Pakistan, Qatar, Kyrgyzstan, Serbia and Montenegro, Slovenia and Sudan, the band 17.3-17.7 GHz is also allocated to the fixed and mobile services on a secondary basis. The power limits given in Nos. 21.3 and 21.5 shall apply. (WRC-03)



**ADD**

**5.516A** In the band 17.3-17.7 GHz, earth stations of the fixed-satellite service (space-to-Earth) in Region 1 shall not claim protection from the broadcasting-satellite service feeder-link earth stations operating under Appendix 30A, nor put any limitations or restrictions on the locations of the broadcasting-satellite service feeder-link earth stations anywhere within the service area of the feeder link. (WRC-03)

**ADD**

**5.516B** The following bands are identified for use by high-density applications in the fixed-satellite service:

17.3-17.7 GHz	(space-to-Earth) in Region 1,
18.3-19.3 GHz	(space-to-Earth) in Region 2,
19.7-20.2 GHz	(space-to-Earth) in all Regions,
39.5-40 GHz	(space-to-Earth) in Region 1,
40-40.5 GHz	(space-to-Earth) in all Regions,
40.5-42 GHz	(space-to-Earth) in Region 2,
47.5-47.9 GHz	(space-to-Earth) in Region 1,
48.2-48.54 GHz	(space-to-Earth) in Region 1,
49.44-50.2 GHz	(space-to-Earth) in Region 1,
and	
27.5-27.82 GHz	(Earth-to-space) in Region 1,
28.35-28.45 GHz	(Earth-to-space) in Region 2,
28.45-28.94 GHz	(Earth-to-space) in all Regions,
28.94-29.1 GHz	(Earth-to-space) in Region 2 and 3,
29.25-29.46 GHz	(Earth-to-space) in Region 2,
29.46-30 GHz	(Earth-to-space) in all Regions,
48.2-50.2 GHz	(Earth-to-space) in Region 2.

This identification does not preclude the use of these bands by other fixed-satellite service applications or by other services to which these bands are allocated on a co-primary basis and does not establish priority in these Regulations among users of the bands. Administrations should take this into account when considering regulatory provisions in relation to these bands. See Resolution 143 (WRC-03). (WRC-03)

**MOD**

**5.521** *Alternative allocation:* in Germany, Denmark, the United Arab Emirates and Greece, the band 18.1-18.4 GHz is allocated to the fixed, fixed-satellite (space-to-Earth) and mobile services on a primary basis (see No. 5.33). The provisions of No. 5.519 also apply. (WRC-03)

**MOD****18.6-22.21 GHz**

<b>Allocation to services</b>		
<b>Region 1</b>	<b>Region 2</b>	<b>Region 3</b>
<b>18.6-18.8</b> EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) 5.522B MOBILE except aeronautical mobile Space research (passive) 5.522A 5.522C	<b>18.6-18.8</b> EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) 5.516B 5.522B MOBILE except aeronautical mobile SPACE RESEARCH (passive) 5.522A	<b>18.6-18.8</b> EARTH EXPLORATION-SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) 5.522B MOBILE except aeronautical mobile Space research (passive) 5.522A
<b>18.8-19.3</b>	FIXED FIXED-SATELLITE (space-to-Earth) 5.516B 5.523A MOBILE	
...		
<b>19.7-20.1</b> FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B Mobile-satellite (space-to-Earth) 5.524	<b>19.7-20.1</b> FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE-SATELLITE (space-to-Earth) 5.524 5.525 5.526 5.527 5.528 5.529	<b>19.7-20.1</b> FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B Mobile-satellite (space-to-Earth) 5.524
<b>20.1-20.2</b>	FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE-SATELLITE (space-to-Earth) 5.524 5.525 5.526 5.527 5.528	
.		
<b>21.4-22</b> FIXED MOBILE BROADCASTING-SATELLITE 5.347A 5.530	<b>21.4-22</b> FIXED MOBILE	<b>21.4-22</b> FIXED MOBILE BROADCASTING-SATELLITE 5.347A 5.530 5.531

**SUP**

5.534

## MOD

## 22.21-24.75 GHz

Allocation to services		
Region 1	Region 2	Region 3
24.65-24.75 FIXED INTER-SATELLITE	24.65-24.75 INTER-SATELLITE RADIOLOCATION-SATELLITE (Earth-to-space)	24.65-24.75 FIXED INTER-SATELLITE MOBILE 5.533

## MOD

## 24.75-29.9 GHz

Allocation to services		
Region 1	Region 2	Region 3
24.75-25.25 FIXED	24.75-25.25 FIXED-SATELLITE (Earth-to-space) 5.535	24.75-25.25 FIXED FIXED-SATELLITE (Earth-to-space) 5.535 MOBILE
25.5-27	EARTH EXPLORATION-SATELLITE (space-to Earth) 5.536A 5.536B FIXED INTER-SATELLITE 5.536 MOBILE SPACE RESEARCH (space-to-Earth) 5.536A 5.536C Standard frequency and time signal-satellite (Earth-to-space)	
27.5-28.5	FIXED 5.537A FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE 5.538 5.540	
28.5-29.1	FIXED FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.523A 5.539 MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540	
29.1-29.5	FIXED FIXED-SATELLITE (Earth-to-space) 5.516B 5.523C 5.523E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540	
29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space)  5.540 5.542	29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 5.525 5.526 5.527 5.529 5.540 5.542	29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space)  5.540 5.542

**MOD**

**5.536A** Administrations operating earth stations in the Earth exploration-satellite service or the space research service shall not claim protection from stations in the fixed and mobile services operated by other administrations. In addition, earth stations in the Earth exploration-satellite service or in the space research service should be operated taking into account Recommendations ITU-R SA.1278 and ITU-R SA.1625, respectively. (WRC-03)

**ADD**

**5.536C** In Algeria, Saudi Arabia, Bahrain, Botswana, Brazil, Cameroon, Comoros, Cuba, Djibouti, Egypt, United Arab Emirates, Estonia, Finland, Iran (Islamic Republic of), Israel, Jordan, Kenya, Kuwait, Lithuania, Malaysia, Morocco, Nigeria, Oman, Qatar, Syrian Arab Republic, Somalia, Sudan, Tanzania, Tunisia, Uruguay, Zambia and Zimbabwe, earth stations operating in the space research service in the band 25.5-27 GHz shall not claim protection from, or constrain the use and deployment of, stations of the fixed and mobile services. (WRC-03)

**MOD**

**5.537A** In Bhutan, Korea (Rep. of), the Russian Federation, Indonesia, Iran (Islamic Republic of), Japan, Kazakhstan, Lesotho, Malaysia, Maldives, Mongolia, Myanmar, Uzbekistan, Pakistan, Philippines, Kyrgyzstan, the Dem. People's Rep. of Korea, Sri Lanka, Thailand and Viet Nam, the allocation to the fixed service in the band 27.5-28.35 GHz may also be used by high altitude platform stations (HAPS). The use of HAPS within the band 27.5-28.35 GHz is limited, within the territory of the countries listed above, to a single 300 MHz sub-band. Such use of 300 MHz of the fixed-service allocation by HAPS in the above countries is further limited to operation in the HAPS-to-ground direction and shall not cause harmful interference to, nor claim protection from, other types of fixed-service systems or other co-primary services. Furthermore, the development of these other services shall not be constrained by HAPS. See Resolution 145 (WRC-03). (WRC-03)

**MOD****29.9-34.2 GHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>29.9-30</b>	FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.525 5.526 5.527 5.538 5.540 5.542	5.484A 5.516B 5.539 5.541 5.543
...		
<b>31.8-32</b>	FIXED 5.547A RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth) 5.547 5.547B 5.548	
<b>32-32.3</b>	FIXED 5.547A RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth) 5.547 5.547C 5.548	

**MOD**

**5.543A** In Bhutan, Korea (Rep. of), the Russian Federation, Indonesia, Iran (Islamic Republic of), Japan, Kazakhstan, Lesotho, Malaysia, Maldives, Mongolia, Myanmar, Uzbekistan, Pakistan, Philippines, Kyrgyzstan, the Dem. People's Rep. of Korea, Sri Lanka, Thailand and Viet Nam, the allocation to the fixed service in the band 31-31.3 GHz may also be used by systems using high altitude platform stations (HAPS) in the ground-to-HAPS direction. The use of the band 31-31.3 GHz by systems using HAPS is limited to the territory of the countries listed above and shall not cause harmful interference to, nor claim protection from, other types of fixed-service systems, systems in the mobile service and systems operated under No. 5.545. Furthermore, the development of these services shall not be constrained by HAPS. Systems using HAPS in the band 31-31.3 GHz shall not cause harmful interference to the radio astronomy service having a primary allocation in the band 31.3-31.8 GHz, taking into account the protection criterion as given in Recommendation ITU-R RA.769. In order to ensure the protection of satellite passive services, the level of unwanted power density into a HAPS ground station antenna in the band 31.3-31.8 GHz shall be limited to  $-106$  dB(W/MHz) under clear-sky conditions, and may be increased up to  $-100$  dB(W/MHz) under rainy conditions to take account of rain attenuation, provided the effective impact on the passive satellite does not exceed the impact under clear-sky conditions as given above. See Resolution 145 (WRC-03). (WRC-03)

**MOD**

**5.545** *Different category of service:* in Armenia, Azerbaijan, Georgia, Mongolia, Kyrgyzstan, Tajikistan and Turkmenistan, the allocation of the band 31-31.3 GHz to the space research service is on a primary basis (see No. 5.33). (WRC-03)

**MOD**

**5.546** *Different category of service:* in Saudi Arabia, Armenia, Azerbaijan, Belarus, Egypt, the United Arab Emirates, Spain, Estonia, the Russian Federation, Finland, Georgia, Hungary, Iran (Islamic Republic of), Israel, Jordan, Latvia, Lebanon, Moldova, Mongolia, Uzbekistan, Poland, Syrian Arab Republic, Kyrgyzstan, Romania, the United Kingdom, South Africa, Tajikistan, Turkmenistan and Turkey, the allocation of the band 31.5-31.8 GHz to the fixed and mobile, except aeronautical mobile, services is on a primary basis (see No. 5.33). (WRC-03)

**MOD**

**5.547** The bands 31.8-33.4 GHz, 37-40 GHz, 40.5-43.5 GHz, 51.4-52.6 GHz, 55.78-59 GHz and 64-66 GHz are available for high-density applications in the fixed service (see Resolutions 75 (WRC-2000) and 79 (WRC-2000)). Administrations should take this into account when considering regulatory provisions in relation to these bands. Because of the potential deployment of high-density applications in the fixed-satellite service in the bands 39.5-40 GHz and 40.5-42 GHz (see No. 5.516B), administrations should further take into account potential constraints to high-density applications in the fixed service, as appropriate. (WRC-03)

**MOD**

**5.547C** *Alternative allocation:* in the United States, the band 32-32.3 GHz is allocated to the radionavigation and space research (deep space) (space-to-Earth) services on a primary basis. (WRC-03)

**MOD**

**5.548** In designing systems for the inter-satellite service in the band 32.3-33 GHz, for the radionavigation service in the band 32-33 GHz, and for the space research service (deep space) in the band 31.8-32.3 GHz, administrations shall take all necessary measures to prevent harmful interference between these services, bearing in mind the safety aspects of the radionavigation service (see Recommendation 707). (WRC-03)

**MOD**

**5.549** *Additional allocation:* in Saudi Arabia, Bahrain, Bangladesh, Egypt, the United Arab Emirates, Gabon, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kuwait, Lebanon, Libyan Arab Jamahiriya, Malaysia, Mali, Malta, Morocco, Mauritania, Nepal, Nigeria, Oman, Pakistan, the Philippines, Qatar, Syrian Arab Republic, Dem. Rep. of the Congo, Singapore, Somalia, Sudan, Sri Lanka, Togo, Tunisia and Yemen, the band 33.4-36 GHz is also allocated to the fixed and mobile services on a primary basis. (WRC-03)

**MOD****34.2-40 GHz**

Allocation to services		
Region 1	Region 2	Region 3
35.5-36	METEOROLOGICAL AIDS EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH (active) 5.549 5.549A	
37.5-38	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE SPACE RESEARCH (space-to-Earth) Earth exploration-satellite (space-to-Earth) 5.547	
38-39.5	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE Earth exploration-satellite (space-to-Earth) 5.547	
39.5-40	FIXED FIXED-SATELLITE (space-to-Earth) 5.516B MOBILE MOBILE-SATELLITE (space-to-Earth) Earth exploration-satellite (space-to-Earth) 5.547	

**ADD**

**5.549A** In the band 35.5-36.0 GHz, the mean power flux-density at the Earth's surface, generated by any spaceborne sensor in the Earth exploration-satellite service (active) or space research service (active), for any angle greater than 0.8° from the beam centre shall not exceed  $-73.3 \text{ dB(W/m}^2\text{)}$  in this band. (WRC-03)

**MOD****40-40.5 GHz**

Allocation to services		
Region 1	Region 2	Region 3
40-40.5	EARTH EXPLORATION-SATELLITE (Earth-to-space) FIXED FIXED-SATELLITE (space-to-Earth) 5.516B MOBILE MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (Earth-to-space) Earth exploration-satellite (space-to-Earth)	

**MOD**

**5.550** *Different category of service:* in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Mongolia, Uzbekistan, Kyrgyzstan, Tajikistan and Turkmenistan, the allocation of the band 34.7-35.2 GHz to the space research service is on a primary basis (see No. 5.33). (WRC-03)

**SUP****5.551A****SUP****5.551AA**

## MOD

## 40.5-51.4 GHz

Allocation to services		
Region 1	Region 2	Region 3
40.5-41 FIXED FIXED-SATELLITE (space-to-Earth) BROADCASTING BROADCASTING-SATELLITE Mobile 5.547	40.5-41 FIXED FIXED-SATELLITE (space-to-Earth) 5.516B BROADCASTING BROADCASTING-SATELLITE Mobile Mobile-satellite (space-to-Earth) 5.547	40.5-41 FIXED FIXED-SATELLITE (space-to-Earth) BROADCASTING BROADCASTING-SATELLITE Mobile 5.547
41-42.5	FIXED FIXED-SATELLITE (space-to-Earth) 5.516B BROADCASTING BROADCASTING-SATELLITE Mobile 5.547 5.551F 5.551H 5.551I	
...		
47.2-47.5	FIXED FIXED-SATELLITE (Earth-to-space) 5.552 MOBILE 5.552A	
47.5-47.9 FIXED FIXED-SATELLITE (Earth-to-space) 5.552 (space-to-Earth) 5.516B 5.554A MOBILE	47.5-47.9 FIXED FIXED-SATELLITE (Earth-to-space) 5.552 MOBILE	
47.9-48.2	FIXED FIXED-SATELLITE (Earth-to-space) 5.552 MOBILE 5.552A	
48.2-48.54 FIXED FIXED-SATELLITE (Earth-to-space) 5.552 (space-to-Earth) 5.516B 5.554A 5.555A MOBILE	48.2-50.2 FIXED FIXED-SATELLITE (Earth-to-space) 5.516B 5.552 MOBILE  5.149 5.340 5.555	
48.54-49.44 FIXED FIXED-SATELLITE (Earth-to-space) 5.552 MOBILE 5.149 5.340 5.555		
49.44-50.2 FIXED FIXED-SATELLITE (Earth-to-space) 5.552 (space-to-Earth) 5.516B 5.554A 5.555A MOBILE		
50.2-50.4	EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) 5.340	



**SUP****5.551G****ADD**

**5.551H** The equivalent power flux-density (epfd) produced in the band 42.5-43.5 GHz by all space stations in any non-geostationary-satellite system in the fixed-satellite service (space-to-Earth), or in the broadcasting-satellite service (space-to-Earth) operating in the 42-42.5 GHz band, shall not exceed the following values at the site of any radio astronomy station for more than 2% of the time:

-230 dB(W/m<sup>2</sup>) in 1 GHz and -246 dB(W/m<sup>2</sup>) in any 500 kHz of the 42.5-43.5 GHz band at the site of any radio astronomy station registered as a single-dish telescope; and

-209 dB(W/m<sup>2</sup>) in any 500 kHz of the 42.5-43.5 GHz band at the site of any radio astronomy station registered as a very long baseline interferometry station.

These epfd values shall be evaluated using the methodology given in Recommendation ITU-R S.1586 and the reference antenna pattern and the maximum gain of an antenna in the radio astronomy service given in Recommendation ITU-R RA.1631 and shall apply over the whole sky and for elevation angles higher than the minimum operating angle  $\theta_{min}$  of the radiotelescope (for which a default value of 5° should be adopted in the absence of notified information).

These values shall apply at any radio astronomy station that either:

- was in operation prior to 5 July 2003 and has been notified to the Bureau before 4 January 2004; or
- was notified before the date of receipt of the complete Appendix 4 information for coordination or notification, as appropriate, for the space station to which the limits apply.

Other radio astronomy stations notified after these dates may seek an agreement with administrations that have authorized the space stations. In Region 2, Resolution 743 (WRC-03) shall apply. The limits in this footnote may be exceeded at the site of a radio astronomy station of any country whose administration so agreed. (WRC-03)

**ADD**

**5.551I** The power flux-density in the band 42.5-43.5 GHz produced by any geostationary space station in the fixed-satellite service (space-to-Earth), or the broadcasting-satellite service (space-to-Earth) operating in the 42-42.5 GHz band, shall not exceed the following values at the site of any radio astronomy station:

-137 dB(W/m<sup>2</sup>) in 1 GHz and -153 dB(W/m<sup>2</sup>) in any 500 kHz of the 42.5-43.5 GHz band at the site of any radio astronomy station registered as a single-dish telescope; and

-116 dB(W/m<sup>2</sup>) in any 500 kHz of the 42.5-43.5 GHz band at the site of any radio astronomy station registered as a very long baseline interferometry station.

These values shall apply at the site of any radio astronomy station that either:

- was in operation prior to 5 July 2003 and has been notified to the Bureau before 4 January 2004; or
- was notified before the date of receipt of the complete Appendix 4 information for coordination or notification, as appropriate, for the space station to which the limits apply.

Other radio astronomy stations notified after these dates may seek an agreement with administrations that have authorized the space stations. In Region 2, Resolution 743 (WRC-03) shall apply. The limits in this footnote may be exceeded at the site of a radio astronomy station of any country whose administration so agreed. (WRC-03)

**ADD**

**5.554A** The use of the bands 47.5-47.9 GHz, 48.2-48.54 GHz and 49.44-50.2 GHz by the fixed-satellite service (space-to-Earth) is limited to geostationary satellites. (WRC-03)

**SUP**

**5.555A**

**ADD**

**5.555B** The power flux-density in the band 48.94-49.04 GHz produced by any geostationary space station in the fixed-satellite service (space-to-Earth) operating in the bands 48.2-48.54 GHz and 49.44-50.2 GHz shall not exceed  $-151.8 \text{ dB(W/m}^2\text{)}$  in any 500 kHz band at the site of any radio astronomy station. (WRC-03)

**MOD**

**158.5-202 GHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>182-185</b>	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340	

**SUP**

**5.563**

## ARTICLE 7

**Application of the procedures****ADD**

**7.4A** Unless otherwise stated in an applicable regulatory provision of these Regulations or in a Resolution relating to the application of the provisions of Articles 9 or 11, the following shall be applied by the Bureau:

- when applying the provisions of No. 9.35 or 9.36, as appropriate, the Bureau shall apply the provisions in force at the date of receipt of the information submitted under No. 9.34;
- when applying the provisions of No. 11.31, the Bureau shall apply the provisions in force at the date of receipt of the complete notice submitted under No. 11.15;
- when applying the provisions of No. 11.32, the Bureau shall apply the provisions in force at the date of receipt of complete information submitted under No. 9.34. In the case where a new form of coordination exists on the date of receipt of notification under Article 11, where no such form existed at the coordination stage, the Bureau shall apply the forms of coordination in force on the date of receipt of complete Appendix 4 data under Article 11;
- in the case where a form of coordination or coordination requirements existed on the date of receipt of complete coordination data under Article 9 where no such form or coordination requirements exist on the date of receipt of complete notification data under Article 11, the Bureau shall not take into account these forms of coordination or coordination requirements. (WRC-03)

**MOD**

**ARTICLE 9**

**Procedure for effecting coordination with or  
obtaining agreement of other administrations<sup>1, 2, 3, 4, 5, 6, 6A, 6B</sup> (WRC-03)**

**ADD**

<sup>6A</sup> **A.9.6A** For the purpose of this Article, a geostationary satellite is a geosynchronous satellite with an orbit the inclination of which is less than or equal to 15°. (WRC-03)

**ADD**

<sup>6B</sup> **A.9.7** See also Resolution 33 (Rev.WRC-03). (WRC-03)

**Section I – Advance publication of information on satellite  
networks or satellite systems**

*General*

**MOD**

**9.1** Before initiating any action under this Article or under Article 11 in respect of frequency assignments for a satellite network or a satellite system, an administration, or one<sup>7</sup> acting on behalf of a group of named administrations, shall, prior to the coordination procedure described in Section II of Article 9 below, where applicable, send to the Bureau a general description of the network or system for advance publication in the International Frequency Information Circular (BR IFIC) not earlier than seven years and preferably not later than two years before the planned date of bringing into use of the network or system (see also No. 11.44). The characteristics to be provided for this purpose are listed in Appendix 4. The coordination or notification information may also be communicated to the Bureau at the same time; it shall be considered as having been received by the Bureau not earlier than six months after the date of receipt of the information for advance publication where coordination is required by Section II of Article 9. Where coordination is not required by Section II, notification shall be considered as having been received by the Bureau not earlier than six months after the date of publication of the advance publication information. (WRC-03)

**MOD**

**9.2** Amendments to the information sent in accordance with the provisions of No. 9.1 shall also be sent to the Bureau as soon as they become available. The use of an additional frequency band or modification of the orbital location by more than  $\pm 6^\circ$  for a space station using the geostationary-satellite orbit will require the application of the advance publication procedure for this band or orbital location, as appropriate. (WRC-03)

**MOD**

<sup>8</sup> **9.2B.1** If the payments are not received in accordance with the provisions of Council Decision 482, as amended, on the implementation of cost recovery for satellite network filings, the Bureau shall cancel the publication, after informing the administration concerned. The Bureau shall inform all administrations of such action, and that the network specified in the publication in question no longer has to be taken into consideration by the Bureau and other administrations. The Bureau shall send a reminder to the notifying administration not later than two months prior to the deadline for the payment in accordance with Council Decision 482 unless the payment has already been received. See also Resolution **87 (WRC-03)**. (WRC-03)

**MOD**

**9.5D** If the information under No. **9.30** has not been received by the Bureau within a period of 24 months after the date of receipt by the Bureau of the relevant complete information under No. **9.1** or **9.2**, as appropriate, the information published under No. **9.2B** and not covered by a coordination request under No. **9.30** shall be cancelled, after the administration concerned has been informed at least three months before the end of the 24-month period. The Bureau shall also publish the cancellation in its BR IFIC. (WRC-03)

**Section II – Procedure for effecting coordination<sup>10,11</sup>****MOD**

**9.6** Before an administration<sup>12, 13, 13A</sup> notifies to the Bureau or brings into use a frequency assignment in any of the cases listed below, it shall effect coordination, as required, with other administrations identified under No. **9.27**: (WRC-03)

**ADD**

<sup>13A</sup> **9.6.3** Unless otherwise specified, coordination under any of the particular sharing situations defined in Nos. **9.7** to **9.21** is not applicable when limits for that sharing situation are specified elsewhere in these Regulations. (WRC-03)

**MOD**

**9.14** *i)* for a space station of a satellite network for which the requirement to coordinate is included in a footnote to the Table of Frequency Allocations referring to this provision or to No. **9.11A** in respect of stations of terrestrial services where the threshold value is exceeded; (WRC-03)

**MOD**

- 9.17A *m)* for any specific earth station, in respect of other earth stations operating in the opposite direction of transmission or for any typical mobile earth station in respect of specific earth stations operating in the opposite direction of transmission, in frequency bands allocated with equal rights to space radiocommunication services in both directions of transmission and where the coordination area of the earth station includes the territory of another country or the earth station is located within the coordination area of another earth station, with the exception of the coordination under No. 9.19; (WRC-03)

**MOD**

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<sup>19</sup> **9.38.1** If the payments are not received in accordance with the provisions of Council Decision 482, as amended, on the implementation of cost recovery for satellite network filings, the Bureau shall cancel the publication, after informing the administration concerned. The Bureau shall inform all administrations of such action and that the network specified in the publication in question no longer has to be taken into consideration by the Bureau and other administrations. The Bureau shall send a reminder to the notifying administration not later than two months prior to the deadline for the payment in accordance with Council Decision 482 unless the payment has already been received. See also Resolution 87 (WRC-03). (WRC-03)

**MOD**

ARTICLE 11

**Notification and recording of frequency assignments**<sup>1, 2, 3, 4, 4A, 5A</sup> (WRC-03)

**ADD**

<sup>4A</sup> A.11.4A For the purpose of this Article, a geostationary satellite is a geosynchronous satellite with an orbit the inclination of which is less than or equal to 15°. (WRC-03)

**ADD**

<sup>5A</sup> A.11.5 See also Resolution 33 (Rev.WRC-03). (WRC-03)

**Section I – Notification**

**ADD**

**11.3A** *aa)* if that assignment is subject to Resolution 221 (Rev.WRC-03); or (WRC-03)

**ADD**

**11.21B** *f)* any terrestrial station in bands referred to in a footnote which includes a reference to No. 9.21, if it pertains to a service which is subject to the application of the procedure for seeking agreement under No. 9.21; (WRC-03)

**(MOD)**

**11.22** *g)* earth stations whose coordination area includes the territory of another administration, or where the earth station is located within the coordination area of an earth station operating in the opposite direction of transmission;<sup>6,7</sup> (WRC-03)

**(MOD)**

**11.23** *h)* earth stations whose interference potential is greater than that of a coordinated typical earth station.<sup>6</sup> (WRC-03)

**MOD**

**11.24** Notices relating to assignments to stations of terrestrial services, except for those referred to in Nos. 11.25, 11.26 or 11.26A, shall reach the Bureau not earlier than three months before the assignments are brought into use. (WRC-03)

**ADD**

**11.26A** Notices relating to assignments for high altitude platform stations operating as base stations to provide IMT-2000 in the bands identified in 5.388A shall reach the Bureau not earlier than three years before the assignments are brought into use. (WRC-03)

**Section II – Examination of notices and recording of frequency assignments in the Master Register**

**MOD**

<sup>8</sup> **11.31.1** Conformity with the Table of Frequency Allocations implies the successful application of No. 9.21, when necessary. However, the recording of the assignment with respect to those objecting administration(s) whose agreement(s) have not been obtained will be with a favourable finding, subject to the condition that the assignment in question shall not cause harmful interference to nor claim protection from the service(s) of the objecting administration(s) from which the agreement was sought. With respect to the administration(s) which have not objected under No. 9.21, the recording of the assignment shall also be made with a favourable finding. (WRC-03)

**MOD**

**11.39** When the examination with respect to No. 11.34 leads to a favourable finding, the assignment shall be recorded in the Master Register. When the finding is unfavourable, the notice shall be returned to the notifying administration, with an indication of the appropriate action. However, notices under Appendices 25, 26 or 27 which are in accordance with the technical principles of the relevant appendix but not with the associated allotment plan shall be treated as follows: (WRC-03)

**ADD**

**11.39F** A notice which is not in conformity with the technical principles of Appendices 25, 26 or 27, as applicable, shall be returned to the notifying administration, unless the administration undertakes that it will be operated in accordance with No. 4.4; in such a case the assignment shall be recorded in the Master Register for information purposes and subject to application of No. 8.5. (WRC-03)

**MOD**

**11.44** The notified date<sup>17</sup> of bringing into use of any assignment to a space station of a satellite network shall be not later than seven years following the date of receipt by the Bureau of the relevant complete information under No. 9.1 or 9.2, as appropriate. Any frequency assignment not brought into use within the required period shall be cancelled by the Bureau after having informed the administration at least three months before the expiry of this period. (WRC-03)

**SUP**

**11.44B**

**SUP**

**11.44C**

**SUP**

**11.44D**

**SUP**

**11.44E**



**SUP**

**11.44F**

**SUP**

**11.44G**

**SUP**

**11.44H**

**SUP**

**11.44I**

**MOD**

**11.48** If, after the expiry of the period of seven years from the date of receipt of the relevant complete information referred to in No. **9.1** or **9.2**, as appropriate, the administration responsible for the satellite network has not brought the frequency assignments to stations of the network into use, the corresponding information published under Nos. **9.2B** and **9.38**, as appropriate, shall be cancelled, but only after the administration concerned has been informed at least three months before the expiry date referred to in No. **11.44**. (WRC-03)

**ADD**

**11.50** The Bureau shall review periodically the Master Register with the aim of maintaining or improving its accuracy, with particular emphasis on the review of the findings so as to adjust them to the changing allocation situation after each conference. (WRC-03)

## ARTICLE 12

**Seasonal planning of the HF bands allocated to the  
broadcasting service between 5900 kHz and 26100 kHz****Section III – The Procedure****MOD**

**12.33** Upon receipt of the schedules, the Bureau shall, in accordance with the Rules of Procedure, validate the data where necessary, perform a compatibility analysis and prepare the tentative high frequency broadcasting schedules (the Tentative Schedules). These Schedules shall include all assignments where administrations gave no alternatives, the selections made by the Bureau from any alternatives given, and the frequencies selected by the Bureau in cases where the need for its assistance was indicated by their intentional omission from the individual schedules. (WRC-03)

**MOD**

**12.34** The Tentative Schedules shall be published two months and one month before the start of each of the two schedule periods in Nos. **12.17** and **12.18**. (WRC-03)

**MOD**

**12.38** Administrations shall notify the Bureau of changes to their schedules as quickly as possible and the Bureau shall update and make available the Schedule on a monthly basis. The Bureau shall perform new compatibility analyses and publish the updated Schedule and the results of these analyses at regular intervals during the season. (WRC-03)

## ARTICLE 13

**Instructions to the Bureau****ADD****Section 0 – Development of the Rules of Procedure and proposals to resolve inconsistencies encountered in the application of the Radio Regulations** (WRC-03)**ADD**

**13.0.1** The Board shall develop a new Rule of Procedure only when there is a clear need with proper justification for such a Rule. For all such Rules, the Board shall submit to the coming world radiocommunication conference the necessary modifications to the Radio Regulations, to alleviate such difficulties or inconsistencies and include its suggestions in the Report of the Director to the next world radiocommunication conference. (WRC-03)

**ADD**

**13.0.2** If such a need is not identified under No. 13.0.1, the Board shall submit also to the coming world radiocommunication conference the necessary modifications to the Radio Regulations to alleviate such difficulties or inconsistencies. (WRC-03)

**Section III – Maintenance of the Rules of Procedure by the Bureau****ADD**

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

- a)* the Bureau shall also publish under No. 13.17, on the ITU website, a list of future proposed Rules and the time-frame for their consideration by the Board and for comments by administrations on the list of future proposed Rules;
- b)* any practice used by the Bureau in the application of the provisions of the Radio Regulations shall be identified and proposed for inclusion in the Rules of Procedure in accordance with the procedures of this section;
- c)* all draft Rules prepared by the Bureau shall be available to administrations on the ITU website and by Circular Letter at least ten weeks prior to the start of the Board meeting;
- 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;

- e)* in submitting comments administrations should, if possible, suggest the actual text of their proposed Rules;
- 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;
- g)* any Rules of Procedure are to be in conformity with the spirit and principle of the Constitution, Convention and the Radio Regulations and shall avoid any relaxation to the application of the corresponding provisions of the Radio Regulation to which the Rules make reference. (WRC-03)

#### Section IV – Board documents

##### MOD

**13.18** Within one week after a meeting of the Board, a summary of all decisions, including the reasons for each decision, taken in that meeting shall be made available on the ITU website. After each Board meeting the approved minutes of that meeting shall normally be circulated at least one month before the start of the following meeting to administrations by means of a circular letter and these approved minutes shall also be made available on the ITU website. (WRC-03)

## ARTICLE 19

**Identification of stations****Section II – Allocation of international series and assignment of call signs****ADD**

**19.31A** 4) Means shall be provided for uniquely identifying mobile stations operating in automated terrestrial or satellite communication systems for the purposes of answering distress calls, for avoiding interference and for billing. Identification of the mobile station by accessing a registration database is satisfactory, provided that the system can associate the mobile station calling number with the particular mobile station user. (WRC-03)

**MOD**

**19.35** § 16 The Secretary-General shall be responsible for allocating additional maritime identification digits (MIDs) to administrations within the limits specified, provided that it is ascertained that the possibilities offered by the MIDs allocated to an administration will soon be exhausted despite judicious ship station identity assignment as outlined in Section VI. (WRC-03)

**SUP**


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<sup>2</sup> 19.35.1

**MOD**

**19.36** § 17 Each administration has been allocated one or more maritime identification digit (MID) for its use. A second or subsequent MID should not be requested<sup>2</sup> unless the previously allocated MID is more than 80% exhausted in the basic category of three trailing zeros and the rate of assignments is such that 90% exhaustion is foreseen. (WRC-03)

**ADD**


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<sup>2</sup> **19.36.1** In no circumstances may an administration claim more MIDs than the total number of its ship stations notified to ITU divided by 1 000, plus one. Administrations shall make every attempt to reuse the Maritime Mobile Service Identities (MMSI) assigned from earlier MID resources, which become redundant after ships leave their national ship registry. Such numbers should be considered for reassignment after being absent from at least two successive editions of List VIIA of the ITU service publications. Administrations seeking additional MID resources must meet the criteria of having notified all previous assignments, in accordance with No. 20.16. This criteria applies only to MMSIs in the basic category and to all MIDs assigned to the administration. (WRC-03)

### Section III – Formation of call signs

#### MOD

**19.48** *b)* combinations in Recommendation ITU-R M.1172 that are reserved for the abbreviations to be used in the radiocommunication services. (WRC-03)

#### SUP

**19.49** *c)*

#### MOD

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<sup>4</sup> **19.50.1** For call sign series beginning with B, F, G, I, K, M, N, R, W and 2, only the first character is required for nationality identification. In the cases of half series (i.e. when the first two characters are allocated to more than one Member State), the first three characters are required for nationality identification. (WRC-03)

#### MOD

**19.68** § 30 1)

- one character (provided that it is the letter B, F, G, I, K, M, N, R or W) and a single digit (other than 0 or 1), followed by a group of not more than four characters, the last of which shall be a letter, *or*
- two characters and a single digit (other than 0 or 1), followed by a group of not more than four characters, the last of which shall be a letter. (WRC-03)

#### ADD

**19.68A** 1A) On special occasions, for temporary use, administrations may authorize use of call signs with more than the four characters referred to in No. **19.68**. (WRC-03)

### Section IV – Identification of stations using radiotelephony

#### MOD

**19.72** § 32 Stations using radiotelephony shall be identified as indicated in Nos. **19.73** to **19.82A**. (WRC-03)

#### ADD

**19.82A** § 35A *Amateur stations and experimental stations*

- a call sign (see No. **19.68**). (WRC-03)

**Section V – Selective call numbers in the maritime mobile Service**

**MOD**

**19.96A** 3) Five-digit ship station selective call numbers shall be assigned to sequential single frequency selective calling (SSFC) equipment (as described in Recommendation ITU-R M.257-3) for calling in radiotelephony and for the phasing in of narrow-band direct printing (NBDP) equipment (as described in Recommendation ITU-R M.476-5). Within one administration the same five-digit number may be used:

- for identification of ship stations fitted with both SSFC and NBDP equipment;
- for identification of ship stations of two different ships fitted with either SSFC or NBDP equipment only. (WRC-03)

**Section VI – Maritime mobile service identities in the maritime mobile service and the maritime mobile-satellite service**

**MOD**

**19.101** 2) These identities are formed in such a way that the identity or part thereof can be used by telephone and telex subscribers connected to the public telecommunications network principally to call ships automatically in the shore-to-ship direction. Access to public networks may also be achieved by means of free-form numbering plans, so long as the ship can be uniquely identified using the system's registration database (see No. **19.31A**) to obtain the ship station identity, call sign or ship name and nationality. (WRC-03)

**ADD**

**19.108A** § 41 The maritime identification digits  $M_1I_2D_3$  are an integral part of the maritime mobile service identity and denote the geographical area of the administration responsible for the station so identified (see Nos. **19.102** to **19.106**). (WRC-03)

**SUP**

**19.109**

**MOD**

**19.112** a) follow the guidelines contained in the most recent version of Recommendation ITU-R M.585 concerning the assignment and use of ship station identities; (WRC-03)

**MOD**

- 19.114** c) take particular care in assigning ship station identities with six significant digits (i.e. having three-trailing-zero identities), which should be assigned only to ship stations which can reasonably be expected to require such an identity for automatic access on a worldwide basis to public switched networks, in particular for mobile-satellite systems accepted for use in the GMDSS on or before 1 February 2002, as long as those systems maintain the MMSI as part of their numbering scheme. (WRC-03)

**SUP****19.115****SUP****19.116**



## ARTICLE 20

**MOD****Service publications** (WRC-03)**MOD****Section I – Titles and contents of service publications** (WRC-03)**MOD**

**20.1** § 1 The following publications shall be issued by the Secretary-General. As circumstances warrant and in response to individual requests by administrations, the published information shall also be available in computer printed form, machine-readable form, film, microfiche or by other appropriate means. (WRC-03)

**MOD****Section II – Preparation and amendment of service publications** (WRC-03)**MOD**

**20.15** § 11 The form, the content and the periodicity of each publication shall be decided by the Bureau in consultation with administrations and the international organizations concerned. (WRC-03)

**MOD**

**20.16** § 12 Administrations shall take all appropriate measures to notify the Bureau immediately of any changes in the operational information contained in Lists IV, V and VI, in view of the importance of this information, particularly with regard to safety. In the case of other publications, administrations shall communicate the changes in the information contained in them as soon as possible. (WRC-03)

**MOD**

**20.17** § 13 For the purpose of the service publications, a “country” shall be understood to mean the territory within the limits of which the station is located; a territory which does not have full responsibility for its international relations shall also be considered as a country for this purpose. (WRC-03)

## ARTICLE 21

## Terrestrial and space services sharing frequency bands above 1 GHz

## Section II – Power limits for terrestrial stations

MOD

TABLE 21-2 (WRC-03)

Frequency band	Service	Limit as specified in Nos.
1 610-1 645.5 MHz (No. 5.359) 1 646.5-1 660 MHz (No. 5.359) 1 980-2 010 MHz 2 010-2 025 MHz (Region 2) 2 025-2 110 MHz 2 200-2 290 MHz 2 655-2 670 MHz <sup>2</sup> (Regions 2 and 3) 2 670-2 690 MHz 5 670-5 725 MHz (Nos. 5.453 and 5.455) 5 725-5 755 MHz <sup>2</sup> (Region 1 countries listed in Nos. 5.451, 5.453 and 5.455) 5 755-5 850 MHz <sup>2</sup> (Region 1 countries listed in Nos. 5.451, 5.453, 5.455 and 5.456) 5 850-7 075 MHz 7 145-7 235 MHz* 7 900-8 400 MHz 8 400-8 500 MHz	Fixed-satellite Meteorological-satellite Space research Space operation Earth exploration-satellite Mobile-satellite	21.2, 21.3, 21.4 and 21.5
10.7-11.7 GHz <sup>2</sup> (Region 1) 12.5-12.75 GHz <sup>2</sup> (Nos. 5.494 and 5.496) 12.7-12.75 GHz <sup>2</sup> (Region 2) 12.75-13.25 GHz 13.75-14 GHz (Nos. 5.499 and 5.500) 14.0-14.25 GHz (No. 5.505) 14.25-14.3 GHz (Nos. 5.505, 5.508 and 5.509) 14.3-14.4 GHz <sup>2</sup> (Regions 1 and 3) 14.4-14.5 GHz 14.5-14.8 GHz	Fixed-satellite	21.2, 21.3 and 21.5
17.7-18.4 GHz 18.6-18.8 GHz 19.3-19.7 GHz 22.55-23.55 GHz 24.45-24.75 GHz (Regions 1 and 3) 24.75-25.25 GHz (Region 3) 25.25-29.5 GHz	Fixed-satellite Earth exploration-satellite Space research Inter-satellite	21.2, 21.3, 21.5 and 21.5A

\* For this frequency band only the limits of Nos. 21.3 and 21.5 apply.

## Section III – Power limits for earth stations

MOD

TABLE 21-3 (WRC-03)

Frequency band	Services
...	Fixed-satellite
5 850-7 075 MHz	Earth-exploration-satellite
7 190-7 235 MHz	Meteorological-satellite
7 900-8 400 MHz	Mobile-satellite
...	Space operation
	Space research

ADD

21.13A 7) In the band 13.75-14 GHz, the level of off-axis e.i.r.p. emitted by an earth station of a geostationary fixed-satellite service network with an antenna diameter smaller than 4.5 m shall not exceed the following values:

<i>Angle off-axis (degrees)</i>	<i>Maximum e.i.r.p. in any 1 MHz band (dBW)</i>
$2 \leq \varphi \leq 7$	$43 - 25 \log \varphi$
$7 < \varphi \leq 9.2$	22
$9.2 < \varphi \leq 48$	$46 - 25 \log \varphi$
$\varphi > 48$	4

(WRC-03)

## Section V – Limits of power flux-density from space stations

MOD

TABLE 21-4 (WRC-03)

Frequency band	Service*	Limit in dB(W/m <sup>2</sup> ) for angles of arrival ( $\delta$ ) above the horizontal plane				Reference bandwidth
		0°-5°	5°-25°	25°-90°		
1 670-1 700 MHz	Earth exploration-satellite Meteorological-satellite	-133 (value based on sharing with meteorological aids service)				1.5 MHz
		0° ≤ $\delta$ ≤ 4°	4° < $\delta$ ≤ 20°	20° < $\delta$ ≤ 60°	60° < $\delta$ ≤ 90°	
1 518-1 525 MHz (Applicable to the territory of the United States in Region 2 between the longitudes 71° W and 125° W)	Mobile-satellite (space-to-Earth)	-181.0	-193.0 + 20 log $\delta$	-213.3 + 35.6 log $\delta$	-150.0	4 kHz

TABLE 21-4 (continued) (WRC-03)

Frequency band	Service*	Limit in dB(W/m <sup>2</sup> ) for angles of arrival ( $\delta$ ) above the horizontal plane			Reference bandwidth
		0° ≤ $\delta$ ≤ 43.4°	43.4° < $\delta$ ≤ 60°	60° < $\delta$ ≤ 90°	
1 518-1 525 MHz (Applicable to all other territory of the United States in Region 2)	Mobile-satellite (space-to-Earth)	-155.0	-213.3 + 35.6 log $\delta$	-150.0	4 kHz
		0°-5°	5°-25°	25°-90°	
1 525-1 530 MHz <sup>7</sup> (Region 1, Region 3)	Meteorological-satellite (space-to-Earth)	-154 <sup>9</sup>	-154 + 0.5( $\delta$ - 5) <sup>9</sup>	-144 <sup>9</sup>	4 kHz
1 670-1 690 MHz <sup>11</sup>	Space research (space-to-Earth)				
1 690-1 700 MHz (Nos. 5.381 and 5.382)	Space research (space-to-space)				
1 700-1 710 MHz	Space operation (space-to-Earth)				
2 025-2 110 MHz	Space operation (space-to-space)				
2 200-2 300 MHz	Earth exploration-satellite (space-to-Earth) (space-to-space)				
...					
3 400-4 200 MHz	Fixed-satellite (space-to-Earth) (geostationary-satellite orbit)	-152	-152 + 0.5( $\delta$ - 5)	-142	4 kHz
3 400-4 200 MHz	Fixed-satellite (space-to-Earth) (non-geostationary-satellite orbit)	-138 - Y <sub>aa,bb</sub>	-138 - Y <sub>aa,bb</sub> + (12 + Y <sub>aa,bb</sub> )( $\delta$ - 5)/20	-126 <sup>bb</sup>	1 MHz
4 500-4 800 MHz	Fixed-satellite (space-to-Earth)	-152	-152 + 0.5( $\delta$ - 5)	-142	4 kHz
5 670-5 725 MHz (Nos. 5.453 and 5.455)	Meteorological-satellite (space-to-Earth)				
7 250-7 850 MHz	Mobile-satellite Space research				
...					
10.7-11.7 GHz	Fixed-satellite (space-to-Earth) (geostationary-satellite orbit)	-150	-150 + 0.5( $\delta$ - 5)	-140	4 kHz
10.7-11.7 GHz	Fixed-satellite (space-to-Earth) (non-geostationary-satellite orbit) <sup>44</sup>	-126	-126 + 0.5( $\delta$ - 5)	-116	1 MHz

TABLE 21-4 (continued) (WRC-03)

Frequency band	Service*	Limit in dB(W/m <sup>2</sup> ) for angles of arrival ( $\delta$ ) above the horizontal plane			Reference bandwidth
		0°-5°	5°-25°	25°-90°	
11.7-12.5 GHz (Region 1) 12.5-12.75 GHz (Region 1 countries listed in Nos. 5.494 and 5.496) 11.7-12.7 GHz (Region 2) 11.7-12.75 GHz (Region 3)	Fixed-satellite (space-to-Earth) (non-geostationary-satellite orbit) <sup>da</sup>	-124	$-124 + 0.5(\delta - 5)$	-114	1 MHz
12.2-12.75 GHz <sup>7</sup> (Region 3) 12.5-12.75 GHz <sup>7</sup> (Region 1 countries listed in Nos. 5.494 and 5.496)	Fixed-satellite (space-to-Earth) (geostationary-satellite orbit)	-148	$-148 + 0.5(\delta - 5)$	-138	4 kHz
10.7-11.7 GHz 11.7-12.5 GHz (Region 1) 12.5-12.75 GHz (Region 1 countries listed in Nos. 5.494 and 5.496) 11.7-12.7 GHz (Region 2) 11.7-12.75 GHz (Region 3)	Fixed-satellite (space-to-Earth) (non-geostationary-satellite orbit) <sup>dc</sup>	-129 <sup>db</sup>	$-129 + 0.75(\delta - 5)$ <sup>db</sup>	-114 <sup>db</sup>	1 MHz
...					
19.3-19.7 GHz 22.55-23.55 GHz 24.45-24.75 GHz 25.25-27.5 GHz	Fixed-satellite (space-to-Earth) Earth exploration-satellite (space-to-Earth) Inter-satellite Space research (space-to-Earth)	-115	$-115 + 0.5(\delta - 5)$	-105	1 MHz
...					
32.3-33 GHz	Inter-satellite	-135	$-135 + (\delta - 5)$	-115	1 MHz
...					
37.5-40 GHz	Fixed-satellite (non-geostationary-satellite orbit) Mobile-satellite (non-geostationary-satellite orbit)	-120 <sup>10,19</sup>	$-120 + 0.75(\delta - 5)$ <sup>10,19</sup>	-105 <sup>10,19</sup>	1 MHz

TABLE 21-4 (end) (WRC-03)

Frequency band	Service*	Limit in dB(W/m <sup>2</sup> ) for angles of arrival ( $\delta$ ) above the horizontal plane				Reference bandwidth
		0°-5°	5°-20°	20°-25°	25°-90°	
37.5-40 GHz	Fixed-satellite (non-geostationary-satellite orbit) Mobile-satellite (non-geostationary-satellite orbit)	-127 <sup>19</sup>	$-127 + (4/3)(\delta - 5)$ <sup>19</sup>	$-107 + 0.4(\delta - 20)$ <sup>19</sup>	-105 <sup>19</sup>	1 MHz
40-40.5 GHz	Fixed-satellite	-115	$-115 + 0.5(\delta - 5)$		-105	1 MHz
40.5-42 GHz	Fixed-satellite (non-geostationary-satellite orbit) Broadcasting-satellite (non-geostationary-satellite orbit)	-115 <sup>10,19</sup>	$-115 + 0.5(\delta - 5)$ <sup>10,19</sup>		-105 <sup>10,19</sup>	1 MHz
40.5-42 GHz	Fixed-satellite (geostationary-satellite orbit) Broadcasting-satellite (geostationary-satellite orbit)	-120 <sup>19</sup>	5°-15°	15°-25°	-105 <sup>19</sup>	1 MHz
			$-120 + (\delta - 5)$ <sup>19</sup>	$-110 + 0.5(\delta - 15)$ <sup>19</sup>		
42-42.5 GHz	Fixed-satellite (non-geostationary-satellite orbit) Broadcasting-satellite (non-geostationary-satellite orbit)	-120 <sup>10,19</sup>	5°-25°		-105 <sup>10,19</sup>	1 MHz
			$-120 + 0.75(\delta - 5)$ <sup>10,19</sup>			
42-42.5 GHz	Fixed-satellite (geostationary-satellite orbit) Broadcasting-satellite (geostationary-satellite orbit)	-127 <sup>19</sup>	5°-20°	20°-25°	-105 <sup>19</sup>	1 MHz
			$-127 + (4/3)(\delta - 5)$ <sup>19</sup>	$-107 + 0.4(\delta - 20)$ <sup>19</sup>		
...						
In Region 1: 47.5-47.9 GHz 48.2-48.54 GHz 49.44-50.2 GHz	Fixed-satellite (geostationary-satellite orbit)	-115	5°-25°		-105	1 MHz
			$-115 + 0.5(\delta - 5)$			

SUP

<sup>16</sup> 21.16.11

SUP

<sup>17</sup> 21.16.12

SUP

<sup>18</sup> 21.16.13

**ADD**

<sup>19</sup> **21.16.14** When addressing the sharing conditions between the fixed service and the fixed-satellite service in the bands 37.5-40 GHz and 40.5-42.5 GHz, the power flux-density at the Earth's surface from any FSS satellite should be no greater than the level(s) required to meet the FSS link availability and performance objectives of the subject applications, taking into account the technical and operational requirements of the overall design of the satellite network. In any case, the levels shall not exceed the applicable power flux-density limits in Table 21-4. (WRC-03)

**ADD**

<sup>aa</sup> **21.16.15** The value of  $Y$  is defined as  $Y = 0$  for  $\max(N_N, N_S) \leq 2$ ;  $Y = 5 \log(\max(N_N, N_S))$  for  $\max(N_N, N_S) > 2$ , where  $N_N$  is the maximum number of space stations in a system simultaneously transmitting on a co-frequency basis in the fixed-satellite service in the Northern Hemisphere, and  $N_S$  is the maximum number of space stations in the same system simultaneously transmitting on a co-frequency basis in the fixed-satellite service in the Southern Hemisphere. In determining  $N_N$  and  $N_S$ , two space stations simultaneously transmitting during periods of short-duration handover shall be considered as one satellite. (WRC-03)

**ADD**

<sup>bb</sup> **21.16.16** The applicability of these limits may need to be reviewed by a future competent conference if the number of co-frequency non-geostationary systems brought into use and simultaneously operating in the same hemisphere is greater than five. (WRC-03)

**ADD**

<sup>cc</sup> **21.16.17** These limits apply to non-geostationary fixed-satellite service space stations employing an orbit with an inclination angle between 35° and 145° and apogee altitude greater than 18 000 km. (WRC-03)

**ADD**

<sup>dd</sup> **21.16.18** These limits apply to non-geostationary fixed-satellite service space stations that are not covered by No. 21.16.17. (WRC-03)

**ADD**

**Section VI – Protection of aeronautical radionavigation service systems from  
aggregate emissions of space stations of radionavigation-satellite service  
systems in the 1 164-1 215 MHz band**

**21.18** § 7 Administrations operating or planning to operate radionavigation-satellite service systems or networks in the 1164-1215 MHz frequency band, for which complete coordination or notification information, as appropriate, was received by the Bureau after 2 June 2000, shall, in accordance with *resolves* 2 of Resolution 609 (WRC-03), take all necessary steps to ensure that the actual aggregate interference into aeronautical radionavigation service systems caused by such radionavigation-satellite service systems or networks operating co-frequency in these frequency bands does not exceed the equivalent power flux-density level shown in *resolves* 1 of Resolution 609 (WRC-03). (WRC-03)

ARTICLE 22  
Space services<sup>1</sup>

Section II – Control of interference to geostationary-satellite systems

MOD

**22.5C** § 6 1) The equivalent power flux-density<sup>2</sup>,  $epfd_{\downarrow}$ , at any point on the Earth's surface visible from the geostationary-satellite orbit, produced by emissions from all the space stations of a non-geostationary-satellite system in the fixed-satellite service in the frequency bands listed in Tables 22-1A to 22-1E, including emissions from a reflecting satellite, for all conditions and for all methods of modulation, shall not exceed the limits given in Tables 22-1A to 22-1E for the given percentages of time. These limits relate to the equivalent power flux-density which would be obtained under free-space propagation conditions, into a reference antenna and in the reference bandwidth specified in Tables 22-1A to 22-1E, for all pointing directions towards the geostationary-satellite orbit. (WRC-03)

MOD

**22.5CA** 2) The limits given in Tables 22-1A to 22-1E may be exceeded on the territory of any country whose administration has so agreed (see also Resolution 140 (WRC-03)). (WRC-03)



MOD

TABLE 22-1A (WRC-03)

Limits to the  $epfd_{\downarrow}$  radiated by non-geostationary-satellite systems in the fixed-satellite service systems in certain frequency bands<sup>3, 4, 5, 6</sup>

Frequency band (GHz)	$epfd_{\downarrow}$ (dB(W/m <sup>2</sup> ))	Percentage of time during which $epfd_{\downarrow}$ may not be exceeded	Reference bandwidth (kHz)	Reference antenna diameter and reference radiation pattern <sup>7</sup>		
10.7-11.7 in all Regions; 11.7-12.2 in Region 2; 12.2-12.5 in Region 3 and 12.5-12.75 in Regions 1 and 3	-175.4	0	40	60 cm Recommendation ITU-R S.1428-1		
	-174	90				
	-170.8	99				
	-165.3	99.73				
	-160.4	99.991				
	-160	99.997				
	-160	100				
	-181.9	0				
	-178.4	99.5				
	-173.4	99.74				
	-173	99.857				
	-164	99.954				
	-161.6	99.984				
	-161.4	99.991				
	-160.8	99.997				
	-160.5	99.997				
	-160	99.9993				
	-160	100				
	-190.45	0			40	3 m Recommendation ITU-R S.1428-1
	-189.45	90				
-187.45	99.5					
-182.4	99.7					
-182	99.855					
-168	99.971					
-164	99.988					
-162	99.995					
-160	99.999					
-160	100					
-195.45	0	40	10 m Recommendation ITU-R S.1428-1			
-195.45	99					
-190	99.65					
-190	99.71					
-172.5	99.99					
-160	99.998					
-160	100					

MOD

<sup>7</sup> 22.5C.6 For this Table, reference patterns of Recommendation ITU-R S.1428-1 shall be used only for the calculation of interference from non-geostationary-satellite systems in the fixed-satellite service systems into geostationary-satellite systems in the fixed-satellite service. (WRC-03)

MOD

TABLE 22-1B (WRC-03)  
 Limits to the  $epfd_j$  radiated by non-geostationary-satellite systems  
 in the fixed-satellite service in certain frequency bands<sup>3,6,8</sup>

Frequency band (GHz)	$epfd_j$ (dB(W/m <sup>2</sup> ))	Percentage of time during which $epfd_j$ may not be exceeded	Reference bandwidth (kHz)	Reference antenna diameter and reference radiation pattern <sup>7</sup>
17.8-18.6	-175.4	0	40	1 m Recommendation ITU-R S.1428-1
	-175.4	90		
	-172.5	99		
	-167	99.714		
	-164	99.971		
	-164	100		
	-161.4	0	1 000	
	-161.4	90		
	-158.5	99		
	-153	99.714		
	-150	99.971		
	-150	100		
	-178.4	0	40	2 m Recommendation ITU-R S.1428-1
	-178.4	99.4		
-171.4	99.9			
-170.5	99.913			
-166	99.971			
-164	99.977			
-164	100			
-164.4	0	1 000		
-164.4	99.4			
-157.4	99.9			
-156.5	99.913			
-152	99.971			
-150	99.977			
-150	100			
-185.4	0	40	5 m Recommendation ITU-R S.1428-1	
-185.4	99.8			
-180	99.8			
-180	99.943			
-172	99.943			
-164	99.998			
-164	100			
-171.4	0	1 000		
-171.4	99.8			
-166	99.8			
-166	99.943			
-158	99.943			
-150	99.998			
-150	100			

MOD

TABLE 22-1C (WRC-03)

Limits to the  $epfd_{\downarrow}$  radiated by non geostationary-satellite systems in the fixed-satellite service in certain frequency bands<sup>1,5,6</sup>

Frequency band (GHz)	$epfd_{\downarrow}$ (dB(W/m <sup>2</sup> ))	Percentage of time during which $epfd_{\downarrow}$ may not be exceeded	Reference bandwidth (kHz)	Reference antenna diameter and reference radiation pattern <sup>7</sup>
19.7-20.2	-187.4	0	40	70 cm Recommendation ITU-R S.1428-1
	-182	71.429		
	-172	97.143		
	-154	99.983		
	-154	100	1 000	
	-173.4	0		
	-168	71.429		
	-158	97.143		
	-140	99.983		
	-140	100	40	
	-190.4	0		
	-181.4	91		
	-170.4	99.8		
	-168.6	99.8		
	-165	99.943		
	-160	99.943		
	-154	99.997		
	-154	100	1 000	
-176.4	0			
-167.4	91			
-156.4	99.8			
-154.6	99.8			
-151	99.943			
-146	99.943			
-140	99.997			
-140	100	40		
-196.4	0			
-162	99.98			
-154	99.99943			
-154	100	1 000		
-182.4	0			
-148	99.98			
-140	99.99943			
-140	100	40		
-200.4	0			
-189.4	90			
-187.8	94			
-184	97.143			
-175	99.886			
-164.2	99.99			
-154.6	99.999			
-154	99.9992			
-154	100			
	-186.4	0	1 000	
	-175.4	90		
	-173.8	94		
	-170	97.143		
	-161	99.886		
	-150.2	99.99		
	-140.6	99.999		
	-140	99.9992		
	-140	100		

MOD

TABLE 22-1D (WRC-03)

Limits to the  $epfd_{\downarrow}$  radiated by non-geostationary-satellite systems in the fixed-satellite service in certain frequency bands into 30 cm, 45 cm, 60 cm, 90 cm, 120 cm, 180 cm, 240 cm and 300 cm broadcasting-satellite service antennas<sup>6,9,10,11</sup>

Frequency band (GHz)	$epfd_{\downarrow}$ (dB(W/m <sup>2</sup> ))	Percentage of time during which $epfd_{\downarrow}$ may not be exceeded	Reference bandwidth (kHz)	Reference antenna diameter and reference radiation pattern <sup>12</sup>
11.7-12.5 in Region 1; 11.7-12.2 and 12.5-12.75 in Region 3; 12.2-12.7 in Region 2	-165.841	0	40	30 cm Recommendation ITU-R BO.1443-1, Annex 1
	-165.541	25		
	-164.041	96		
	-158.6	98.857		
	-158.6	99.429		
	-158.33	99.429		
	-158.33	100		
	-175.441	0	40	45 cm Recommendation ITU-R BO.1443-1, Annex 1
	-172.441	66		
	-169.441	97.75		
	-164	99.357		
	-160.75	99.809		
	-160	99.986		
	-160	100		
	-176.441	0	40	60 cm Recommendation ITU-R BO.1443-1, Annex 1
	-173.191	97.8		
	-167.75	99.371		
	-162	99.886		
	-161	99.943		
	-160.2	99.971		
-160	99.997			
-160	100			
-178.94	0	40	90 cm Recommendation ITU-R BO.1443-1, Annex 1	
-178.44	33			
-176.44	98			
-171	99.429			
-165.5	99.714			
-163	99.857			
-161	99.943			
-160	99.991			
-160	100			
-182.44	0	40	120 cm Recommendation ITU-R BO.1443-1, Annex 1	
-180.69	90			
-179.19	98.9			
-178.44	98.9			
-174.94	99.5			
-173.75	99.68			
-173	99.68			
-169.5	99.85			
-167.8	99.915			
-164	99.94			
-161.9	99.97			
-161	99.99			
-160.4	99.998			
-160	100			

TABLE 22-1D (end) (WRC-03)

Frequency band (GHz)	epfd <sub>j</sub> (dB(W/m <sup>2</sup> ))	Percentage of time during which epfd <sub>j</sub> may not be exceeded	Reference bandwidth (kHz)	Reference antenna diameter and reference radiation pattern <sup>12</sup>
11.7-12.5 in Region 1; 11.7-12.2 and 12.5-12.75 in Region 3; 12.2-12.7 in Region 2	-184.941	0	40	180 cm Recommendation ITU-R BO.1443-1, Annex 1
	-184.101	33		
	-181.691	98.5		
	-176.25	99.571		
	-163.25	99.946		
	-161.5	99.974		
	-160.35	99.993		
	-160	99.999		
	-160	100		
	-187.441	0	40	240 cm Recommendation ITU-R BO.1443-1, Annex 1
	-186.341	33		
	-183.441	99.25		
	-178	99.786		
	-164.4	99.957		
	-161.9	99.983		
	-160.5	99.994		
	-160	99.999		
	-160	100		
	-191.941	0	40	300 cm Recommendation ITU-R BO.1443-1, Annex 1
	-189.441	33		
	-185.941	99.5		
	-180.5	99.857		
	-173	99.914		
	-167	99.951		
	-162	99.983		
	-160	99.991		
	-160	100		

**MOD**

<sup>12</sup> 22.5C.11 For this Table, reference patterns of Annex 1 to Recommendation ITU-R BO.1443-1 shall be used only for the calculation of interference from non-geostationary-satellite systems in the fixed-satellite service into geostationary-satellite systems in the broadcasting-satellite service. (WRC-03)

ADD

TABLE 22-1E (WRC-03)

Limits to the  $\text{epfd}_d$  radiated by non-geostationary-satellite systems in the fixed-satellite service in certain frequency bands

Frequency band (MHz)	$\text{epfd}_d$ (dB(W/m <sup>2</sup> ))	Percentage of time during which $\text{epfd}_d$ may not be exceeded	Reference bandwidth (kHz)	Reference antenna diameter and reference radiation pattern (m)
3 700-4 200	-195.4	100	4	1.8 <sup>13A</sup>
	-197.9	100	4	2.4 <sup>13A</sup>
	-201.6	100	4	3.7 <sup>13A</sup>
	-203.3	100	4	4.5 <sup>13A</sup>
	-204.5	100	4	5.5 <sup>13A</sup>
	-207.5	100	4	8 <sup>13A</sup>
	-208.5	100	4	10 <sup>13A</sup>
	-212.0	100	4	15 <sup>13A</sup>

ADD

<sup>13A</sup> 22.5C.12 The associated reference radiation pattern is defined as follows:

a) for values of  $\left(\frac{D}{\lambda}\right) \geq 100$ :

$$G(\varphi) = G_{\max} - 2.5 \times 10^{-3} \left(\frac{D}{\lambda}\varphi\right)^2 \quad \text{for } 0 \leq \varphi < \varphi_m$$

$$G(\varphi) = G_1 \quad \text{for } \varphi_m \leq \varphi < \varphi_r$$

$$G(\varphi) = 29 - 25 \log \varphi \quad \text{for } \varphi_r \leq \varphi < 20^\circ$$

$$G(\varphi) = -3.5 \quad \text{for } 20^\circ \leq \varphi < 26.3^\circ$$

$$G(\varphi) = 32 - 25 \log \varphi \quad \text{for } 26.3^\circ \leq \varphi < 48^\circ$$

$$G(\varphi) = -10 \quad \text{for } 48^\circ \leq \varphi \leq 180^\circ$$

b) for values of  $42 \leq \left(\frac{D}{\lambda}\right) < 100$ :

$$G(\varphi) = G_{\max} - 2.5 \times 10^{-3} \left(\frac{D}{\lambda}\varphi\right)^2 \quad \text{for } 0 \leq \varphi < \varphi_m$$

$$G(\varphi) = G_1 \quad \text{for } \varphi_m \leq \varphi < 100 \left(\frac{\lambda}{D}\right)$$

$$G(\varphi) = 29 - 25 \log \varphi \quad \text{for } 100 \left(\frac{\lambda}{D}\right) \leq \varphi < 20^\circ$$

$$G(\varphi) = -3.5 \quad \text{for } 20^\circ \leq \varphi < 26.3^\circ$$

$$G(\varphi) = 32 - 25 \log \varphi \quad \text{for } 26.3^\circ \leq \varphi < 48^\circ$$

$$G(\varphi) = -10 \quad \text{for } 48^\circ \leq \varphi \leq 180^\circ$$

c) for values of  $\left(\frac{D}{\lambda}\right) < 42$ :

$$G(\varphi) = G_{max} - 2,5 \times 10^{-3} \left(\frac{D}{\lambda} \varphi\right)^2 \quad \text{for } 0 \leq \varphi < \varphi_m$$

$$G(\varphi) = G_1 \quad \text{for } \varphi_m \leq \varphi < 100 \left(\frac{\lambda}{D}\right)$$

$$G(\varphi) = 32 - 25 \log \varphi \quad \text{for } 100 \left(\frac{\lambda}{D}\right) \leq \varphi < 48^\circ$$

$$G(\varphi) = -10 \quad \text{for } 48^\circ \leq \varphi \leq 180^\circ$$

where:

$D$ : antenna diameter  
 $\lambda$ : wavelength } expressed in the same units

$\varphi$ : off-axis angle of the antenna (degrees)

$$G_1: \text{gain of the first side lobe} = 2 + 15 \log \left(\frac{D}{\lambda}\right) \quad \text{dBi}$$

$$\varphi_m = \frac{20\lambda}{D} \sqrt{G_{max} - G_1} \quad \text{degrees}$$

$$\varphi_r = 15.85 \left(\frac{D}{\lambda}\right)^{-0.6} \quad \text{degrees}$$

$$G_{max} = 7.7 + 20 \log \left(\frac{D}{\lambda}\right) \quad \text{dBi} \quad (\text{WRC-03})$$

## MOD

TABLE 22-2 (WRC-03)

Limits to the  $epfd_{\uparrow}$  radiated by non-geostationary-satellite systems in the fixed-satellite service in certain frequency bands<sup>14</sup>

Frequency band	$epfd_{\uparrow}$ (dB(W/m <sup>2</sup> ))	Percentage of time $epfd_{\uparrow}$ level may not be exceeded	Reference bandwidth (kHz)	Reference antenna beamwidth and reference radiation pattern <sup>15</sup>
5 925-6 725 MHz	-183.0	100	4	1.5° Recommendation ITU-R S.672-4, $L_s = -20$
12.50-12.75 GHz 12.75-13.25 GHz 13.75-14.5 GHz	-160	100	40	4° Recommendation ITU-R S.672-4, $L_s = -20$
17.3-18.1 GHz (Regions 1 and 3) 17.8-18.1 GHz (Region 2) <sup>16</sup>	-160	100	40	4° Recommendation ITU-R S.672-4, $L_s = -20$
27.5-28.6 GHz	-162	100	40	1.55° Recommendation ITU-R S.672-4, $L_s = -10$
29.5-30 GHz	-162	100	40	1.55° Recommendation ITU-R S.672-4, $L_s = -10$

**MOD**

**22.5H** 5) The limits specified in Nos. **22.5C** (except for Table **22-1E**) to **22.5D** (except for Table **22-2** for the frequency band 5925-6725 MHz) and **22.5F** apply to non-geostationary-satellite systems in the fixed-satellite service for which complete coordination or notification information, as appropriate, has been received by the Bureau after 22 November 1997. The limits specified in Table **22-1E** and those specified in Table **22-2** for the frequency band 5925-6725 MHz apply to non-geostationary-satellite systems in the fixed-satellite service for which complete notification information has been received by the Bureau after 5 July 2003. The limits in Tables **22-4A**, **22-4A1**, **22-4B** and **22-4C** do not apply to non-geostationary-satellite systems in the fixed-satellite service for which complete coordination or notification information, as appropriate, has been received by the Bureau before 22 November 1997. (WRC-03)

**MOD**

**22.5I** 6) An administration operating a non-geostationary-satellite system in the fixed-satellite service which is in compliance with the limits in Nos. **22.5C**, **22.5D** and **22.5F** shall be considered as having fulfilled its obligations under No. **22.2** with respect to any geostationary-satellite network, irrespective of the dates of receipt by the Bureau of the complete coordination or notification information, as appropriate, for the non-geostationary-satellite system and the geostationary-satellite network, provided that the  $\text{epfd}_{\downarrow}$  radiated by the non-geostationary-satellite system in the fixed-satellite service into any operating geostationary fixed-satellite service earth station does not exceed the operational and additional operational limits given in Tables **22-4A**, **22-4A1**, **22-4B** and **22-4C**, when the diameter of the earth station antenna is equal to the values given in Table **22-4A**, **22-4A1** or **22-4C**, or the gain of the earth station is equal to or greater than the values given in Table **22-4B** for the corresponding orbital inclination of the geostationary fixed-satellite service satellite. Except as otherwise agreed between concerned administrations, an administration operating a non-geostationary-satellite system in the fixed-satellite service that is subject to the limits in Nos. **22.5C**, **22.5D** and **22.5F** and which radiates  $\text{epfd}_{\downarrow}$  into any operating geostationary fixed-satellite service earth station at levels in excess of the operational or additional operational limits given in Tables **22-4A**, **22-4A1**, **22-4B** and **22-4C**, when the diameter of the earth station antenna is equal to the values given in Table **22-4A**, **22-4A1** or **22-4C**, or the gain of the earth station is equal to or greater than the values given in Table **22-4B** for the corresponding orbital inclination of the geostationary fixed-satellite service satellite, shall be considered to be in violation of its obligations under No. **22.2**, and the provisions of Article 15 (Section V) apply. In addition, administrations are encouraged to use the relevant ITU-R Recommendations to determine whether such a violation has occurred. (WRC-03)



ARTICLE 23

**Broadcasting services**

**Section I – Broadcasting service**

**MOD**

**23.11** *C – HF bands allocated to the broadcasting service except the bands as referred to in No. 23.6* (WRC-03)

**MOD**

**23.12** § 3 Transmitting stations of the broadcasting service operating in the HF bands allocated to the broadcasting service, except the bands as referred to in No. 23.6, shall meet the system specifications contained in Appendix 11. (WRC-03)

**111**

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**ARTICLE 24**

**Fixed service**

**SUP**

**24.3**

**SUP**

**24.4**

**SUP**

**24.5**

**SUP**

**24.6**

## ARTICLE 25

**Amateur services****Section I – Amateur service****MOD**

**25.1** § 1 Radiocommunication between amateur stations of different countries shall be permitted unless the administration of one of the countries concerned has notified that it objects to such radiocommunications. (WRC-03)

**MOD**

**25.2** § 2 1) Transmissions between amateur stations of different countries shall be limited to communications incidental to the purposes of the amateur service, as defined in No. 1.56 and to remarks of a personal character. (WRC-03)

**ADD**

**25.2A** 1A) Transmissions between amateur stations of different countries shall not be encoded for the purpose of obscuring their meaning, except for control signals exchanged between earth command stations and space stations in the amateur-satellite service. (WRC-03)

**MOD**

**25.3** 2) Amateur stations may be used for transmitting international communications on behalf of third parties only in case of emergencies or disaster relief. An administration may determine the applicability of this provision to amateur stations under its jurisdiction. (WRC-03)

**SUP****25.4****MOD**

**25.5** § 3 1) Administrations shall determine whether or not a person seeking a licence to operate an amateur station shall demonstrate the ability to send and receive texts in Morse code signals. (WRC-03)

**MOD**

**25.6** 2) Administrations shall verify the operational and technical qualifications of any person wishing to operate an amateur station. Guidance for standards of competence may be found in the most recent version of Recommendation ITU-R M.1544. (WRC-03)

**MOD**

**25.7** § 4 The maximum power of amateur stations shall be fixed by the administrations concerned. (WRC-03)

**MOD**

**25.8** § 5 1) All pertinent Articles and provisions of the Constitution, the Convention and of these Regulations shall apply to amateur stations. (WRC-03)

**ADD**

**25.9A** § 5A Administrations are encouraged to take the necessary steps to allow amateur stations to prepare for and meet communication needs in support of disaster relief. (WRC-03)

**ADD**

**25.9B** § 5B An administration may determine whether or not to permit a person who has been granted a licence to operate an amateur station by another administration to operate an amateur station while that person is temporarily in its territory, subject to such conditions or restrictions it may impose. (WRC-03)

**Section II – Amateur-satellite service****MOD**

**25.11** § 7 Administrations authorizing space stations in the amateur-satellite service shall ensure that sufficient earth command stations are established before launch to ensure that any harmful interference caused by emissions from a station in the amateur-satellite service can be terminated immediately (see No. 22.1). (WRC-03)

## ARTICLE 28

**Radiodetermination services****Section III – Radio direction-finding stations****MOD**

**28.13** 2) Where a radio direction-finding service is provided in the authorized bands between 1 606.5 kHz and 2 850 kHz, the radio direction-finding stations should be able to take bearings on the radiotelephone distress and calling frequency 2 182 kHz. (WRC-03)

## ARTICLE 29

**Radio astronomy service****Section III – Protection of the radio astronomy service****MOD**

**29.12** § 9 In applying the measures outlined in this Section, administrations should bear in mind that the radio astronomy service is extremely susceptible to interference from space and airborne transmitters (for further information, see the most recent version of Recommendation ITU-R RA.769). (WRC-03)

## ARTICLE 31

**Frequencies for the global maritime distress and safety system (GMDSS)****Section II – Survival craft stations****MOD**

- 31.9** *a)* in the bands between 1606.5 kHz and 2850 kHz, be able to transmit on 2187.5 kHz; (WRC-03)

## ARTICLE 32

**Operational procedures for distress and safety communications in the global maritime distress and safety system (GMDSS)****Section I – General****MOD**

**32.7** § 6 The phonetic alphabet and figure code in Appendix 14 and the abbreviations and signals in accordance with the most recent version of Recommendation ITU-R M.1172 should be used where applicable<sup>1</sup>. (WRC-03)



## ARTICLE 33

**Operational procedures for urgency and safety communications in the global maritime distress and safety system (GMDSS)****Section IV – Safety communications****ADD**

**33.31A** Safety messages transmitted by coast stations in accordance with a predefined timetable should not be announced by digital selective calling techniques. (WRC-03)

**Section V – Transmission of maritime safety information<sup>1</sup>****MOD**

**33.45** § 24 1) The frequency 490 kHz may be used for the transmission of maritime safety information by means of narrow-band direct-printing telegraphy with forward error correction (see Appendix 15). (WRC-03)

## ARTICLE 47

**Operator's certificates****Section I – General provisions**

SUP

47.1

SUP

47.3

MOD

**Section IV – Qualifying service<sup>1</sup>** (WRC-03)

ADD

<sup>1</sup> 47.IV.1 The categories of certificates referred to in this Section are described in Appendix 13, Part B, Section I. (CMR-03)

MOD

**47.26** § 8 1) The holder of a radiocommunication general operator's certificate or a first- or second-class radiotelegraph operator's certificate shall be authorized to embark as chief operator of a ship station of the fourth category (which is described in Recommendation ITU-R M.1169). (WRC-03)

MOD

**47.27** 2) However, before becoming chief or sole operator of a ship station of the fourth category (in accordance with Recommendation ITU-R M.1169) which is required by international agreements to carry a radiotelegraph operator, the holder of a radiocommunication general operator's certificate or a first- or second-class radiotelegraph operator's certificate shall have had adequate experience as operator on board ship at sea. (WRC-03)

MOD

**47.28** 3) Before becoming chief operator of a ship station of the second or third category (in accordance with Recommendation ITU-R M.1169), the holder of a radiocommunication general operator's certificate or a first- or second-class radiotelegraph operator's certificate shall have had, as operator on board ship or in a coast station, at least six months' experience of which at least three months shall have been on board ship. (WRC-03)

MOD

**47.29** 4) Before becoming chief operator of a ship station of the first category (in accordance with Recommendation ITU-R M.1169), the holder of a radiocommunication general operator's certificate or a first-class radiotelegraph operator's certificate shall have had, as operator on board ship or in a coast station, at least one year's experience of which at least six months shall have been on board ship. (WRC-03)

## ARTICLE 51

**Conditions to be observed in the maritime services****Section I – Maritime mobile service****MOD**

**51.17** B2 – Bands between 1 606.5 kHz and 2 850 kHz (WRC-03)

**MOD**

**51.18** § 10 In Region 2, any Morse radiotelegraph station installed on board a ship which uses frequencies in the band 2 089.5-2 092.5 kHz for call and reply shall be provided with at least one other frequency in the authorized bands between 1 606.5 kHz and 2 850 kHz. (WRC-03)

**MOD**

**51.28** C2 – Bands between 1 606.5 kHz and 4 000 kHz (WRC-03)

**MOD**

**51.29** § 14 All ship stations equipped with digital selective calling apparatus to work in the authorized bands between 1 606.5 kHz and 4 000 kHz shall be able to: (WRC-03)

**MOD**

**51.35** b) send and receive class F1B or J2B emissions on an international calling channel (identified in Recommendation ITU-R M.541-8) in each of the HF maritime mobile bands necessary for their service; (WRC-03)

**MOD**

**51.46** CA2 – Bands between 1 606.5 kHz and 4 000 kHz (WRC-03)

**MOD**

**51.47** § 19 All ship stations equipped with narrow-band direct-printing telegraphy apparatus to work in the authorized bands between 1 606.5 kHz and 4 000 kHz shall be able to send and receive class F1B or J2B emissions on working frequencies necessary to carry out their service. (WRC-03)

**MOD**

**51.51** D1 – Bands between 1 606.5 kHz and 4 000 kHz (WRC-03)

**MOD**

**51.52** § 21 All ship stations equipped with radiotelephony apparatus to work in the authorized bands between 1 606.5 kHz and 2 850 kHz shall be able to: (WRC-03)

**Section III – Stations on board aircraft communicating with stations of  
the maritime mobile service and the maritime mobile-satellite service**

**MOD**

**51.71** § 28 In the case of communication between stations on board aircraft and stations of the maritime mobile service, radiotelephone calling may be renewed as specified in Recommendation ITU-R M.1171 and radiotelegraph calling may be renewed after an interval of five minutes, notwithstanding the procedure contained in the most recent version of Recommendation ITU-R M.1170. (WRC-03)

## ARTICLE 52

**Special rules relating to the use of frequencies****Section I – General provisions****MOD**

**52.7** 2) In the maritime mobile service, the frequency 490 kHz is used exclusively for the transmission by coast stations of meteorological and navigational warnings and urgent information to ships by means of narrow-band direct-printing telegraphy. (WRC-03)

**MOD**

**52.8** *C – Bands between 1 606.5 kHz and 4 000 kHz* (WRC-03)

**Section II – Use of frequencies for Morse radiotelegraphy****MOD**

**52.23** *b)* by coast stations to announce by means of Morse telegraphy the transmission of their traffic lists under the conditions provided for in the most recent version of Recommendation ITU-R M.1170. (WRC-03)

**MOD**

**52.25** 4) Before transmitting on 500 kHz, stations must listen on this frequency for a reasonable period to make sure that no distress traffic is being sent (see the most recent version of Recommendation ITU-R M.1170). (WRC-03)

**MOD**

**52.31** § 13 1) The frequency for replying to a call sent on the general calling frequency (see No. 52.27) shall be as follows:

- either 500 kHz,
- or the frequency specified by the calling station (see No. 52.29 and the most recent version of Recommendation ITU-R M.1170). (WRC-03)

**MOD**

**52.32** 2) In regions of heavy traffic, coast stations may answer calls made by ship stations of their own nationality in accordance with special arrangements made by the administration concerned (see the most recent version of Recommendation ITU-R M.1170). (WRC-03)

**MOD**

**52.46** *C – Bands between 1 606.5 kHz and 4 000 kHz* (WRC-03)

**MOD**

**52.47** § 18 1) The band 2089.5-2092.5 kHz is the calling and safety band for Morse radiotelegraphy in those parts of the band between 1 606.5 kHz and 2 850 kHz in which Morse radiotelegraphy is authorized. (WRC-03)

**MOD**

**52.50** 4) Coast stations which use frequencies in the band 2089.5-2092.5 kHz for calling shall be able to use at least one other frequency in those parts of the band between 1 606.5 kHz and 2 850 kHz in which Morse radiotelegraphy is authorized. (WRC-03)

**MOD**

**52.63** 2) So far as is practicable, a coast station shall transmit its calls at specified times in the form of traffic lists on the frequency or frequencies indicated in the List of Coast Stations (see the most recent version of Recommendation ITU-R M.1170). (WRC-03)

**MOD**

**52.69** § 28 In order to reduce interference on Morse radiotelegraphy calling frequencies, a coast station shall take adequate steps to ensure, under normal conditions, the prompt receipt of Morse radiotelegraphy calls (see the most recent version of Recommendation ITU-R M.1170). (WRC-03)

### **Section III – Use of frequencies for narrow-band direct-printing telegraphy**

**SUP**

**52.98**

**MOD**

**52.99** *C – Bands between 1 606.5 kHz and 4 000 kHz* (WRC-03)

**MOD**

**52.100** § 46 1) All ship stations equipped with narrow-band direct-printing telegraph apparatus to work in the authorized bands between 1 606.5 kHz and 4 000 kHz shall be able to send and receive class F1B or J2B emissions on at least two working frequencies. (WRC-03)

**SUP**

**52.106**

**Section IV – Use of frequencies for digital selective-calling****MOD**

**52.124** *C – Bands between 1 606.5 kHz and 4 000 kHz* (WRC-03)

**MOD**

**52.125** § 60 1) The class of emission to be used for digital selective-calling and acknowledgement in the bands between 1 606.5 kHz and 4 000 kHz shall be F1B. (WRC-03)

**MOD**

**52.126** 2) Coast stations should, when transmitting digital selective calls and acknowledgements in the bands between 1 606.5 kHz and 4 000 kHz, use the minimum power necessary to cover their service area. (WRC-03)

**MOD**

**52.136** 2) The international digital selective-calling frequency 2 177 kHz may be assigned to any coast station. In order to reduce interference on this frequency, it may be used as a general rule by coast stations to call ships of another nationality, or in cases where it is not known on which digital selective-calling frequencies within the bands between 1 606.5 kHz and 4 000 kHz the ship station is maintaining watch. (WRC-03)

**MOD**

**52.139** 2) A coast station providing international public correspondence service using digital selective-calling techniques within the bands between 1 606.5 kHz and 4 000 kHz should, during its hours of service, maintain automatic digital selective-calling watch on appropriate national or international calling frequencies. The hours and frequencies shall be indicated in the List of Coast Stations. (WRC-03)

**MOD**

**52.140** 3) Ship stations equipped with apparatus for digital selective-calling to work in the authorized bands between 1 606.5 kHz and 4 000 kHz should, when within the coverage area of coast stations providing services using digital selective-calling techniques in these bands, maintain an automatic digital selective-calling watch on one or more appropriate digital selective-calling frequencies within these bands, taking into account the digital selective-calling frequencies operated by the coast stations. (WRC-03)

**Section V – Use of frequencies for wide-band telegraphy, facsimile, special transmission systems and oceanographic data transmissions**

**MOD**

**52.164** A1 – Bands between 1 606.5 kHz and 4 000 kHz (WRC-03)

**Section VI – Use of frequencies for radiotelephony**

**MOD**

**52.181** § 85 Single-sideband apparatus in radiotelephone stations of the maritime mobile service operating in the bands allocated to this service between 1 606.5 kHz and 4 000 kHz and in the bands allocated exclusively to this service between 4 000 kHz and 27 500 kHz shall satisfy the technical and operational conditions specified in Recommendation ITU-R M.1173. (WRC-03)

**MOD**

**52.182** B – Bands between 1 606.5 kHz and 4 000 kHz (WRC-03)

**MOD**

**52.183** § 86 1) Unless otherwise specified in the present Regulations (see Nos. **51.53**, **52.188**, **52.189**, **52.199** and Appendix 13), the class of emission to be used in the bands between 1 606.5 kHz and 4 000 kHz shall be J3E. (WRC-03)

**MOD**

**52.184** 2) The peak envelope power of coast radiotelephone stations operating in the authorized bands allocated between 1 606.5 kHz and 4 000 kHz shall not exceed: (WRC-03)

**MOD**

**52.192** b) by coast stations to announce the transmission, on another frequency, of traffic lists as specified in Recommendation ITU-R M.1171. (WRC-03)

**MOD**

**52.195** § 89 1) Before transmitting on the carrier frequency 2 182 kHz, a station shall, in accordance with Recommendation ITU-R M.1171, listen on this frequency for a reasonable period to make sure that no distress traffic is being sent. (WRC-03)



**MOD**

**52.197** § 90 1) Coast stations which use 2 182 kHz for calling shall be able to use at least one other frequency in the authorized bands between 1 606.5 kHz and 2 850 kHz. (WRC-03)

**MOD**

**52.198** 2) Coast stations authorized to use radiotelephony on one or more frequencies other than 2 182 kHz in the authorized bands between 1 606.5 kHz and 2 850 kHz shall use class J3E emissions on those frequencies (see also No. **52.188**). (WRC-03)

**MOD**

**52.199** 3) Coast stations open to the public correspondence service on one or more frequencies between 1 606.5 kHz and 2 850 kHz shall also be capable of transmitting class H3E and J3E emissions with a carrier frequency of 2 182 kHz, and of receiving class A3E, H3E and J3E emissions with a carrier frequency of 2 182 kHz. (WRC-03)

**MOD**

**52.202** § 91 The peak envelope power of ship radiotelephone stations operating in the authorized bands between 1 606.5 kHz and 2 850 kHz shall not exceed 400 W. (WRC-03)

**MOD**

**52.213** 2) In exceptional circumstances, if frequency usage according to Nos. **52.203** to **52.208** or No. **52.210** is not possible, a ship station may use one of its own assigned national ship-to-shore frequencies for communication with a coast station of another nationality, under the express condition that the coast station as well as the ship station shall take precautions, in accordance with Recommendation ITU-R M.1171, to ensure that the use of such a frequency will not cause harmful interference to the service for which the frequency in question is authorized. (WRC-03)

**MOD**

**52.217** § 96 1) The class of emission to be used for analogue radiotelephony in the bands between 4 000 kHz and 26 175 kHz shall be J3E; for digital telecommunications in those bands, the class of emission shall be J2D. (WRC-03)

**MOD**

**52.221A** 2) Calling on the carrier frequencies 12 290 kHz and 16 420 kHz shall be permitted only to and from rescue coordination centres (see No. **30.6.1**), subject to the safeguards of Resolution **352 (WRC-03)**. The alternative carrier frequencies 12 359 kHz and 16 537 kHz may be used by ship stations and coast stations for calling on a simplex basis, provided that the peak envelope power does not exceed 1 kW. (WRC-03)

**MOD**

**52.224** § 99 1) Before transmitting on the carrier frequencies 4125 kHz, 6215 kHz, 8291 kHz, 12290 kHz or 16420 kHz a station shall, in accordance with Recommendation ITU-R M.1171, listen on the frequency for a reasonable period to make sure that no distress traffic is being sent (see No. **52.221A**). (WRC-03)

**MOD**

**52.229** 4) Transmitters used for radiotelephony in the bands between 4000 kHz and 27500 kHz shall comply with technical characteristics specified in Recommendation ITU-R M.1173. (WRC-03)

**MOD**

**52.231** § 101 1) The frequency 156.8 MHz is the international frequency for distress traffic and for calling by radiotelephony when using frequencies in the authorized bands between 156 MHz and 174 MHz (see Appendix 13 for details of use). The class of emission to be used for radiotelephony on the frequency 156.8 MHz shall be G3E (as specified in Recommendation ITU-R M.489-2). (WRC-03)

**MOD**

**52.234** b) by coast stations to announce the transmission on another frequency of traffic lists, in accordance with Recommendation ITU-R M.1171, and important maritime information. (WRC-03)

**MOD**

**52.235** 3) The frequency 156.8 MHz may be used by ship stations and coast stations for selective calling in accordance with Recommendation ITU-R M.257-3. (WRC-03)

**MOD**

**52.240** 8) Before transmitting on the frequency 156.8 MHz, a station shall, in accordance with Recommendation ITU-R M.1171, listen on this frequency for a reasonable period to make sure that no distress traffic is being sent. (WRC-03)

**SUP**

**52.255**

## ARTICLE 55

**Morse radiotelegraphy****MOD**

**55.1** The recommended procedure for conducting radiotelegraph communications is detailed in the most recent version of Recommendation ITU-R M.1170. (WRC-03)

## ARTICLE 57

**Radiotelephony****MOD**

**57.1** § 1 The procedure detailed in Recommendation ITU-R M.1171 shall be applicable to radiotelephone stations, except in cases of distress, urgency or safety, to which the provisions of Appendix 13 are applicable. (WRC-03)

## ARTICLE 59

**Entry into force and provisional application  
of the Radio Regulations** (WRC-2000)**MOD**

**59.1** These Regulations, which complement the provisions of the Constitution and Convention of the International Telecommunication Union, and as revised and contained in the Final Acts of WRC-95, WRC-97, WRC-2000 and WRC-03, shall be applied, pursuant to Article 54 of the Constitution, on the following basis. (WRC-03)

**59.2** The provisions of these Regulations, as revised by WRC-95, concerning new or modified frequency allocations (including any new or modified conditions applying to existing allocations) and the related provisions of Articles S21\* and S22\*, and Appendix S4\*, apply provisionally as of 1 January 1997.

**59.3** The other provisions of these Regulations, as revised by WRC-95 and WRC-97, apply provisionally as of 1 January 1999, with the following exceptions: (WRC-2000)

**59.4** – the revised provisions for which other effective dates of application are stipulated in Resolutions:  
**49 (WRC-97), 51 (WRC-97), 52 (WRC-97), 54 (WRC-97), 130 (WRC-97), 533 (WRC-97), 534 (WRC-97) and 538 (WRC-97).**

**59.5** The other provisions of these Regulations, as revised by WRC-2000, shall enter into force on 1 January 2002, with the following exceptions: (WRC-2000)

**59.6** – the revised provisions for which other effective dates of application are stipulated in Resolutions:  
**49 (Rev.WRC-2000), 51 (Rev.WRC-2000), 53 (Rev.WRC-2000), 55 (WRC-2000), 56 (WRC-2000), 58 (WRC-2000), 59 (WRC-2000), 77 (WRC-2000), 84 (WRC-2000), 122 (Rev.WRC-2000), 128 (Rev.WRC-2000), 533 (Rev.WRC-2000), 539 (WRC-2000), 540 (WRC-2000), 541 (WRC-2000), 542 (WRC-2000), 604 (WRC-2000) and 605 (WRC-2000).** (WRC-2000)

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\* *Note by the Secretariat:* In view of the changes in the numbering scheme used in this edition of the Radio Regulations, these references correspond now to Articles 21 and 22, and to Appendix 4, as appropriate.

**ADD**

**59.7** The other provisions of these Regulations, as revised by WRC-03, shall enter into force on 1 January 2005, with the following exceptions: (WRC-03)

**ADD**

**59.8** – the revised provisions for which other effective dates of application are stipulated in Resolutions:

**56 (Rev.WRC-03), 85 (WRC-03), 87 (WRC-03), 96 (WRC-03),  
122 (Rev.WRC-03), 142 (WRC-03), 145 (WRC-03), 146 (WRC-03),  
221 (Rev.WRC-03), 413 (WRC-03), 539 (Rev.WRC-03), 546 (WRC-03),  
743 (WRC-03) and 902 (WRC-03).** (WRC-03)

IN WITNESS WHEREOF, the delegates of the Member States of the International Telecommunication Union named below have, on behalf of their respective competent authorities, signed one copy of these Final Acts. In case of dispute, the French text shall prevail. This copy shall remain deposited in the archives of the Union. The Secretary-General shall forward one certified true copy to each Member State of the International Telecommunication Union.

Done at Geneva, 4 July 2003

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*Regionale Overeenkomst van 23 juni 1961*

In overeenstemming met artikel 6 van het Radioreglement juncto artikel 43 van het Statuut van de Internationale Unie voor Telecommunicatie, heeft de Regionale Administratieve Conferentie van Leden van de Unie van het Europese omroepgebied op 23 juni 1961 te Stockholm een Regionale Overeenkomst voor de Europese omroep regio betreffende het gebruik van frequenties door de omroep in de VHF en UHF banden aangenomen. De Engelse tekst<sup>1)</sup> van deze Overeenkomst luidt als volgt:

**REGIONAL AGREEMENT****for the****EUROPEAN BROADCASTING AREA**

*Concerning the use of Frequencies by the Broadcasting Service in the VHF and UHF Bands*

**Preamble**

The undersigned Delegates of the Administrations of the following countries:

*Austria, Belgium, Bielorussian Soviet Socialist Republic, People's Republic of Bulgaria, Republic of Cyprus, Vatican City State, Denmark, Spain, Finland, France, Greece, Hungarian People's Republic, Ireland, Iceland, State of Israel, Italy, Lebanon, Luxembourg, Kingdom of Morocco, Monaco, Norway, Kingdom of the Netherlands, People's Republic of Poland, Portugal, Federal Republic of Germany, Federal People's Republic of Yugoslavia, Ukrainian Soviet Socialist Republic, Roumanian People's Republic, United Kingdom of Great Britain and Northern Ireland, Sweden, Confederation of Switzerland, Czechoslovak Socialist Republic, Overseas Territories for the international relations of which the Government of the United Kingdom of Great Britain and Northern Ireland are responsible, Turkey, Union of Soviet Socialist Republics,*

meeting in Stockholm for a Regional Conference convened under the terms of Article 44 of the International Telecommunication Convention, Geneva, 1959, have adopted, subject to the approval of their Administrations, the following provisions relating to the broadcasting service (sound and television) in the European Broadcasting Area for the bands

<sup>1)</sup> De Franse en de Spaanse tekst zijn niet afgedrukt. De Bijlagen, Slotakte, Resoluties en Aanbevelingen zijn ook niet afgedrukt en liggen ter inzage bij de directie Telecommarkt van het ministerie van Economische Zaken en bij de afdeling Verdragen van het ministerie van Buitenlandse Zaken.



between 41 and 960 Mc/s allocated on a primary basis to broadcasting under Article 5 of the Radio Regulations, Geneva, 1959, with the exception of the bands between 68 and 73 Mc/s and between 76 and 87.5 Mc/s which are the subject of a Regional Agreement (Special Regional Conference, Geneva, 1960).

#### ARTICLE 1

##### Definitions

- 1 For the purposes of the present Agreement, the following terms shall have the meanings defined below:
- 2 *Agreement*: The whole of the present Agreement and its Annexes.
- 3 *Plans*: The plans forming Annex 2 to the Agreement.
- 4 *European Broadcasting Area*: The geographical area defined in No. 133 of the Radio Regulations, Geneva, 1959.
- 5 *Radio Regulations*: The Radio Regulations, Geneva, 1959.
- 6 *Union*: The International Telecommunication Union.
- 7 *The Secretary-General*: The Secretary-General of the International Telecommunication Union.
- 8 *I.F.R.B.*: The International Frequency Registration Board.
- 9 *Contracting Administration*: Any Administration which has approved or acceded to the Agreement.

#### ARTICLE 2

##### Execution of the Agreement

- 10 1 The Contracting Administrations shall adopt for their broadcasting stations operating in the bands referred to in the Agreement, the characteristics specified in the Plans.
- 11 2 The Contracting Administrations shall not change the characteristics specified in the Plans, or establish new stations, except under the conditions provided for in Article 4 of the present Agreement.
- 12 3 The Contracting Administrations shall endeavour to agree on the action required to reduce any harmful interference caused by the application of the Agreement.
- 13 4 Should agreement, as envisaged in paragraph 3 above, prove impossible, the dissenting Administrations may resort to the procedure laid down in Article 15 of the Radio Regulations, and if necessary, to that laid down in Article 27 of the International Telecommunication Convention, Geneva, 1959.

## ARTICLE 3

**Broadcasting Stations of Low Power**

- 14** 1 Stations in the frequency bands between 41 and 230 Mc/s having maximum effective radiated powers of less than 1 kW, and stations in the frequency bands between 470 and 960 Mc/s having maximum effective radiated powers of less than 10 kW do not appear in the Plans.
- 15** 2 Such stations shall however have the same status as stations shown in the Plans provided:
- 16** a) that they were established in accordance with the provisions of the European Broadcasting Agreement, Stockholm, 1952;
- 17** b) or that they are established in accordance with the provisions of the present Agreement.
- 18** In the event of harmful interference between the stations referred to in *a)* above and those appearing in the Plans, the Contracting Administrations concerned shall reach mutual agreement as to the steps necessary to obviate such interference.

## ARTICLE 4

**Changes in the Characteristics of Stations covered by the Agreement**

- 1 *Procedure in the Frequency Bands 41-68 Mc/s, 87.5-100 Mc/s, 174-216 Mc/s, 470-582 Mc/s and 606-790 Mc/s*
- 19** 1.1 When a Contracting Administration proposes to change the characteristics of a broadcasting station shown in the Plans or brought into operation in accordance with the provisions of the present Agreement, or proposes to put into operation a broadcasting station not appearing in the Plans, the following action shall be taken:
- 20** 1.1.1 If the distances from the station under consideration to the nearest points of the boundaries of other countries, the Administrations of which are Contracting Administrations, are less than the limits corresponding to the proposed power of the station and other characteristics specified in Annex 1, the Administrations of those countries shall be consulted by registered post.
- 21** 1.1.2 In effecting this consultation the Administration proposing the change shall furnish all the information specified in

Appendix 1, Section A, of the Radio Regulations, together with the effective height of the antenna as defined in Annex 2 to the Agreement, its directional characteristics and the polarization of radiation. The Administrations that are being consulted may request any other information they need to assess the probability of harmful interference to their own services.

- 22 1.1.3 If agreement is reached between the Administrations concerned, the Administration proposing the change may proceed with its project. Administrations which have been consulted and have not replied within ten weeks following the date of registration of the consultation letter in the post of the country of origin shall be reminded by urgent telegram. Administrations which have not replied within two weeks following the despatch of the urgent telegram shall be considered to have agreed to the proposed change.
- 23 1.1.4 If no agreement is reached between the Administrations concerned, the I.F.R.B. shall make any technical examination that may be requested by the Administration proposing the change, or by Administrations whose services may be affected by the proposed change, and shall inform them of the results of such examination.
- 24 1.2 The Administration proposing the change may proceed with its project without consulting other Administrations if:
- 25 a) the proposed modification relates to a reduction in power or to other changes of technical characteristics which would reduce the probability of harmful interference to services of other countries,
- 26 or  
b) the distances from the station under consideration to the nearest points of the boundaries of other countries, the Administrations of which are Contracting Administrations, are equal to or greater than the limits corresponding to the proposed power of the station and other characteristics specified in Annex 1.
- 27 1.3 In the cases referred to in sub-paragraph 1.1.3 and paragraph 1.2 above, the Administration proposing the change shall inform the I.F.R.B. of the particulars specified in sub-paragraph 1.1.2 above and, where appropriate, of the names of the countries consulted.
- 28 1.4 The I.F.R.B. shall publish the information in a special section of its weekly circular, specifying either that the proposed change is the result of consultation carried out under the provi-

sions of subparagraphs 1.1.1, 1.1.2 and 1.1.3 above, or that it is being effected under the provisions of paragraph 1.2 above.

2 *Procedures in the Frequency Bands 162-174 Mc/s, 216-230 Mc/s, 582-606 Mc/s and 790-960 Mc/s*

2.1 *Procedure for Broadcasting Stations*

29 2.1.1 Any Contracting Administration proposing to change the technical characteristics of any of its broadcasting stations appearing in the Plans or to operate broadcasting stations not appearing in the Plans, shall first inform the I.F.R.B., furnishing the technical information specified in sub-paragraph 1.1.2 above.

30 2.1.2 The I.F.R.B. shall publish this information in a special section of its weekly circular, indicating that comments on such information should be sent directly to the Administration originating the proposal.

31 2.1.3 Such comments must be received by the Administration originating the proposal within the twelve weeks following the date of the weekly circular in question. Administrations which have not furnished such comments within this period shall be considered to have agreed to the proposed change.

32 2.1.4 If no comments have been received at the expiry of the period of twelve weeks referred to in subparagraph 2.1.3 above, or if agreement has been reached with the Administrations making these comments, the Administration proposing the change may proceed with its project, and shall inform the I.F.R.B. in the manner specified in paragraph 1.3 above.

2.2 *Procedure for Stations of Services other than Broadcasting*

33 For stations of services other than broadcasting, the provisions of the Radio Regulations shall apply, taking into account the categories of service and allocations specified in Article 5 thereof. Contracting Administrations proposing to change the technical characteristics of such stations or to establish new stations of such services shall take into account the broadcasting stations appearing in the Plans or brought into use in accordance with this Agreement and shall do so after reaching mutual agreement with the Administrations that may be concerned.

3 *Procedure common to all Frequency Bands*

- 34 3.1 The Secretary-General shall be informed by the I.F.R.B. of all changes made in the Plans in application of the provisions of Sections 1 and 2 above.
- 35 3.2 If a change, although made in accordance with the provisions of Sections 1 and 2 above, causes harmful interference to services of other Contracting Administrations, the Administration which has made the change shall take the requisite action to eliminate such interference.
- 36 3.3 If, after application of the procedure defined in, subparagraphs 1.1.1, 1.1.2 and 1.1.3 on the one hand, and paragraphs 2.1 and 2.2 on the other hand, no agreement has been reached between the Administrations concerned, recourse may be had to the procedures defined in Article 15 of the Radio Regulations, or in Article 27 of the International Telecommunication Convention, Geneva, 1959, as the case may be.

ARTICLE 5

**Notification of Frequency Assignments**

- 37 Whenever an assignment in conformity with the Plans or for which the procedure prescribed in Article 4 of the present Agreement has been applied, is put into service, the Administration concerned shall notify this assignment to the I.F.R.B. in accordance with the provisions of Article 9 of the Radio Regulations.

ARTICLE 6

**Accession to the Agreement**

- 38 1 The Administration of any Member of the Union in the European Broadcasting Area which has not signed this Agreement may accede thereto at any time. Such accession shall be made without reservation. The Secretary-General shall be notified thereof, and he shall inform the other Members of the Union in the European Broadcasting Area.
- 39 2 Accession shall take effect on the date the notification of accession is received by the Secretary-General.

## ARTICLE 7

**Termination of Participation in the Agreement**

- 40 1 Any Contracting Administration shall have the right at any time to terminate its participation in the Agreement by a communication sent to the Secretary-General, who shall inform the other Members of the Union in the European Broadcasting Area.
- 41 2 Such termination of participation shall take effect after a period of one year from the date of receipt, by the Secretary-General, of the said communication.

## ARTICLE 8

**Revision of the Agreement**

- 42 No revision of the Agreement shall be undertaken except by an Administrative Conference of the Members of the Union in the European Broadcasting Area, convened in accordance with the procedure laid down in the International Telecommunication Convention.

## ARTICLE 9

**Effective Date of the Agreement**

- 43 The Agreement shall enter into force on 1 September, 1962.

## ARTICLE 10

**Abrogation of the European Broadcasting Agreement, Stockholm, 1952**

- 44 The present Agreement shall abrogate and replace the European Broadcasting Agreement, Stockholm, 1952, and the Plans annexed thereto.

## ARTICLE 11

**Scope of Application of the Agreement**

- 45 1 The present Agreement shall bind Contracting Administrations in their relations with one another but does not bind those Administrations with non-Contracting Administrations.
- 46 2 If an Administration makes reservations with regard to any provision of the present Agreement, other Administrations

shall be free to disregard the said provision in their relations with the Administration which has made such reservations.

#### ARTICLE 12

##### **Approval of the Agreement**

- 47 Administrations shall notify their approval of this Agreement, as promptly as possible, to the Secretary-General who shall at once inform the other Members of the Union in the European Broadcasting Area.

In witness whereof, the undersigned Delegates of the Administrations of the countries mentioned above have, on behalf of their respective Administrations, signed the present Agreement in a single copy in the French, English and Spanish languages, in which, in case of dispute, the French text shall be authentic. This copy shall remain in the archives of the Swedish Administration, which shall forward one certified true copy to each signatory Administration and to the Secretary-General.

DONE at Stockholm, 23 June, 1961

*(The signature pages are not reproduced here.)*

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Bij ondertekening van de Regionale Overeenkomst heeft het Koninkrijk der Nederlanden de volgende verklaring afgelegd:

“The Administration of the Netherlands has given its agreement to the operation of television stations in the frequency band 223-230 Mc/s subject to no harmful interference being caused to the Netherlands aeronautical radionavigation services using that band.”

In 1985 is de Regionale Overeenkomst van 1961 gewijzigd. Zie rubriek J van *Trb.* 1988, 26.

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*Protocol (van 16 juni 2006) tot herziening van de Regionale Overeenkomst van 1961*

In overeenstemming met artikel 8 van de Regionale Overeenkomst van 1961 juncto artikel 43 van het Statuut van de Internationale Unie voor Telecommunicatie, heeft de Regionale Administratieve Conferentie van Leden van de Unie van het Europese omroepgebied op 16 juni 2006 te Genève een Protocol tot herziening van bepaalde onderdelen van de Regionale Overeenkomst voor de Europese omroep regio aangenomen. De Engelse tekst<sup>1)</sup> van deze Overeenkomst luidt als volgt:

#### **REGIONAL AGREEMENT**

##### **Protocol revising certain parts of the Regional Agreement for the European Broadcasting Area (Stockholm, 1961)**

(Geneva, 2006)

#### **PREAMBLE**

The undersigned delegates of the following Member States:

*(The names are not reproduced here.)*

meeting in Geneva for a regional radiocommunication conference to revise the Regional Agreement for the European Broadcasting Area (Stockholm, 1961) (ST61 Agreement), between 15 May 2006 and 16 June 2006, and working on the basis of its agenda,

*noting* Article 8 of the ST61 Agreement,

*noting further* that the ST61 Agreement was amended in 1985 (see the Protocol amending the Regional Agreement for the European Broadcasting Area (Geneva, 1985)),

*having considered* the Agreement adopted by the Regional Radiocommunication Conference for the planning of the digital terrestrial broadcasting service in Region 1 (parts of Region 1 situated to the west of meridian 170° E and to the north of parallel 40° S, except the territory of Mongolia) and in the Islamic Republic of Iran, in the frequency bands 174-230 MHz and 470-862 MHz (Geneva, 2006) (RRC-06) (GE06 Agreement),

*having also considered* the need to harmonize the dates of entry into force and the dates of provisional application of the GE06 Agreement and the revised ST61 Agreement,

<sup>1)</sup> De Franse en de Spaanse tekst zijn niet afgedrukt. De Slotakte en de Resoluties zijn ook niet afgedrukt en liggen ter inzage bij de directie Telecommarkt van het ministerie van Economische Zaken en bij de afdeling Verdragen van het ministerie van Buitenlandse Zaken.



*recognizing* that the analogue Plan annexed to the GE06 Agreement contains the frequency assignments from the updated ST61 Plan as it appears in BR IFIC No. 2569 in frequency bands 174-230 MHz (for Morocco, 170-230 MHz) and 470-862 MHz which are transferred to the new analogue Plan annexed to the GE06 Agreement as a consequence of abrogation of Annex 2 to the ST61 Agreement in the above-mentioned frequency bands,

*have adopted*, subject to approval by their competent authorities, a revision of the ST61 Agreement, as contained in this Protocol,

*declare* that, should a Member State from the European Broadcasting Area make reservations<sup>1)</sup> concerning the application of one or more of the provisions of the revised ST61 Agreement, no other Member State from the European Broadcasting Area shall be obliged to observe that provision or those provisions in its relations with that particular Member State.

## ARTICLE 1

### Definitions

For the purposes of this Protocol, and unless otherwise specified, the following terms shall have the meanings defined below:

- 1.1 *Union*: the International Telecommunication Union.
- 1.2 *Secretary-General*: the Secretary-General of the *Union*.
- 1.3 *Constitution*: the Constitution of the *Union*.
- 1.4 *Convention*: the Convention of the *Union*.
- 1.5 *European Broadcasting Area*: the area designated in No. **5.14** of the Radio Regulations (edition of 2004).
- 1.6 *ST61 Agreement*: the Regional Agreement for the European Broadcasting Area (Stockholm, 1961), as amended by the Regional Administrative Conference of the Members of the Union in the European Broadcasting Area, (Geneva, 1985).
- 1.7 *Conference*: the Regional Radiocommunication Conference for the revision of the *ST61 Agreement* (Geneva, 2006).
- 1.8 *Protocol*: this Protocol revising certain parts of the *ST61 Agreement*.

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<sup>1)</sup> These reservations shall not relate to Article 2 of this Protocol.

## ARTICLE 2

**Revision of certain parts of the ST61 Agreement**

2.1 The provisions in articles 3, 4 and 5 of the *ST61 Agreement* and the associated parts of its Annexes 1 and 2 are abrogated insofar as their application in the frequency bands 174-230 MHz (for Morocco, 170-230 MHz) and 470-862 MHz is concerned.

## ARTICLE 3

**Entry into force and provisional application of the Protocol**

3.1 The provisions of the *Protocol* shall apply provisionally as from 17 June 2006 at 0001 UTC.

3.2 The *Protocol* shall enter into force on 17 June 2007 at 0001 UTC.

## ARTICLE 4

**Approval of the Protocol**

4.1 Any Member State from the *European Broadcasting Area* signatory of the *Protocol* shall deposit its instrument of approval of the *Protocol*, as soon as possible, with the *Secretary-General*, who shall at once inform the other Member States of the *Union*, it being understood that for Member States which are not party to the *ST61 Agreement* (as amended or not), such approval shall also imply the approval of, or accession to, the *ST61 Agreement*. The *Secretary-General* is authorized to take, at any time, any appropriate action aimed at the timely implementation of the provisions of this paragraph.

## ARTICLE 5

**Accession to the Protocol**

5.1 Any Member State in the *European Broadcasting Area* which is a party to the *ST61 Agreement* (as amended or not) but not a signatory of the *Protocol*, shall deposit its instrument of accession to the latter, as soon as possible, with the *Secretary-General*, who shall at once inform the other Member States of the *Union*. The *Secretary-General* is authorized to take, at any time, any appropriate action aimed at the timely implementation of the provisions of this paragraph.

5.2 Accession to the *Protocol* shall be made without reservation and shall become effective on the date on which the instrument of accession is received by the *Secretary-General*.

## ARTICLE 6

**Approval of or accession to the ST61 Agreement**

6.1 Any Member State from the *European Broadcasting Area* approving or acceding to the *ST61 Agreement* after the entry into force of the *Protocol* shall be considered as also approving or acceding to the *Protocol*.

## ARTICLE 7

**Amendment and revision of the Protocol**

7.1 The *Protocol* shall not be amended or revised except by a competent regional radiocommunication conference of the Member States from the *European Broadcasting Area* convened in accordance with the procedures laid down in the *Constitution* and *Convention*.

IN WITNESS WHEREOF, the delegates of the Member States of the International Telecommunication Union from the European Broadcasting Area named below have, on behalf of their respective competent authorities, signed one copy of these Final Acts. In case of dispute, the French text shall prevail. This copy shall remain deposited in the archives of the Union. The Secretary-General shall forward one certified true copy to each Member State of the International Telecommunication Union from the European Broadcasting Area.

DONE at Geneva, 16 June 2006

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*Regionale Overeenkomst digitale omroep van 16 juni 2006*

In overeenstemming met artikel 6 van het Radioreglement juncto artikel 43 van het Statuut van de Internationale Unie voor Telecommunicatie, heeft de Regionale Administratieve Conferentie van Leden van de Unie op 16 juni 2006 te Genève een Regionale Overeenkomst voor de planning van de digitale omroep in delen van regio 1 en in de Islamitische Republiek Iran, in de frequentiebanden 174-230 MHz en 470-862 MHz aangenomen. De Engelse tekst<sup>1)</sup> van deze Overeenkomst luidt als volgt:

**REGIONAL AGREEMENT\***

**Relating to the planning of the digital terrestrial broadcasting service in Region 1 (parts of Region 1 situated to the west of meridian 170° E and to the north of parallel 40° S, except the territory of Mongolia) and in the Islamic Republic of Iran, in the frequency bands 174-230 MHz and 470-862 MHz**

(Geneva, 2006)

**PREAMBLE**

The undersigned delegates of the following Member States of the International Telecommunication Union:

*(The names are not reproduced here.)*

meeting in Geneva from 15 May to 16 June 2006 for a Regional Radiocommunication Conference convened under the terms of the ITU *Constitution* and the ITU *Convention*, as referred to in Article 1 of this *Agreement*, have adopted, subject to approval by their competent authorities, the following provisions concerning the terrestrial broadcasting service in the frequency bands 174-230 MHz<sup>2)</sup> and 470-862 MHz, together with provisions for *other primary terrestrial services*, as defined in Article 1 of this *Agreement*, in Region 1 (parts of Region 1 situated to the west of meridian 170° E and to the north of parallel 40° S, except the territory of Mongolia) and in the Islamic Republic of Iran.

<sup>1)</sup> Het voor eensluidend gewaarmerkt afschrift van het Verdrag is nog niet ontvangen. In de hierna volgende tekst kunnen derhalve onjuistheden voorkomen, die in een volgend Tractatenblad zullen worden gecorrigeerd. De Franse en de Spaanse tekst zijn niet afgedrukt. De preambule, Bijlagen en Resoluties zijn ook niet afgedrukt en liggen ter inzage bij de directie Telecommarkt van het ministerie van Economische Zaken en bij de afdeling Verdragen van het ministerie van Buitenlandse Zaken.

\* The provisions of this Agreement shall apply *mutatis mutandis*, to Palestine as referred to in Resolution 99 (Minneapolis, 1998) subject to Palestine notifying the ITU Secretary-General that it accepts the rights and commits to observe the obligations arising therefrom.

<sup>2)</sup> For Morocco, the analogue Plan covers the band 170-230 MHz.

## ARTICLE 1

**Definitions**

1 For the purposes of this Agreement, the following terms shall have the meanings defined below:

1.1 *Union*: The International Telecommunication Union.

1.2 *Secretary-General*: The Secretary-General of the *Union*.

1.3 *Bureau*: The Radiocommunication Bureau.

1.4 *Constitution*: The Constitution of the *Union*.

1.5 *Convention*: The Convention of the *Union*.

1.6 *Radio Regulations*: The Radio Regulations as referred to in No. **31** of the *Constitution*.

1.7 *Conference*: The Regional Radiocommunication Conference 2006 for the planning of the digital terrestrial broadcasting service in Region 1 (parts of Region 1 situated to the west of meridian 170° E and to the north of parallel 40°S, except the territories of Mongolia) and in the Islamic Republic of Iran, in the frequency bands 174-230 MHz and 470-862 MHz (Geneva, 2006) (RRC-06)<sup>1)</sup>.

1.8 *Planning Area*: Region 1 (those parts of Region 1, as defined in No. **5.3** of the *Radio Regulations*, situated to the west of meridian 170° E and to the north of parallel 40° S, except the territories of Mongolia) and the Islamic Republic of Iran.

1.9 *Agreement*: The Regional Agreement and its Annexes together with its associated *Plans* as drawn up by the *Conference*.

1.10 *Plans*: The analogue Plan and the digital Plan as specified in § 3.1 of Article 3 of this *Agreement* and as subsequently updated through the successful application of the procedure of § 4.1 of Article 4 of this *Agreement*.

1.11 *Contracting Member*: Any Member State from the *Planning Area* which has approved or acceded to the *Agreement*.

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<sup>1)</sup> This *Conference* was held in two sessions:  
– the first session, responsible for preparing a report to the second session, was held in Geneva from 10 to 28 May 2004;  
– the second session, responsible for drawing up an *Agreement* and associated *Plans*, was held in Geneva from 15 May to 16 June 2006.

1.12 *Administration*: Unless otherwise indicated, the term Administration designates the Administration, as defined in No. **1002** of the *Constitution*, of a *Contracting Member*.

1.13 *MIFR*: Master International Frequency Register.

1.14 *Other primary terrestrial services*: The primary terrestrial services other than the broadcasting service, and the primary radio astronomy service, to which the frequency bands 174-230 MHz and/or 470-862 MHz are allocated in the *Planning Area* in accordance with Article 5 of the *Radio Regulations*.

1.15 *Existing assignments to other primary terrestrial services* (referred to in short as the “*List*”): Assignments to *other primary terrestrial services* contained in Annex 6 to the *Agreement*, as established by the *Conference*, and assignments to *other primary terrestrial services* for which the procedure of § 4.2 of Article 4 of this *Agreement* has been successfully applied.

1.16 *Transition period*: The period following the *Conference* during which the assignments in the analogue Plan (as specified in § 3.1.2 of Article 3 of this *Agreement*) shall be protected (see also Article 12 of this *Agreement*).

1.17 *BR IFIC*: Radiocommunication Bureau International Frequency Information Circular.

## ARTICLE 2

### Execution of the Agreement

2.1 The *Contracting Members* shall adopt the characteristics specified in the *Plans* for their broadcasting stations in the *Planning Area* operating in the frequency bands referred to in Article 3 of this *Agreement*.

2.2 The *Contracting Members* shall not modify these characteristics or establish stations, except under the relevant provisions of Articles 4 and 5 of this *Agreement*.

2.3 The *Contracting Members* shall undertake to apply the relevant provisions of Articles 4 and 5 of this *Agreement* for the *other primary terrestrial services* to which these bands are also allocated.

## ARTICLE 3

**Annexes to the Agreement**

- 3.1 Annex 1: Frequency Plans<sup>1)</sup>
- 3.1.1 The digital Plan consisting of two parts: the 174-230 MHz band and the 470-862 MHz band (comprising T-DAB Plan assignments, T-DAB Plan allotments, DVB-T Plan assignments, DVB-T Plan allotments);
- 3.1.2 The analogue Plan consisting of two parts: the 174-230 MHz<sup>2)</sup> band and the 470-862 MHz band.
- 3.2 Annex 2: Technical elements and criteria used in the development of the Plan and the implementation of the *Agreement*.
- 3.3 Annex 3: Basic characteristics to be submitted in application of the *Agreement*.
- 3.4 Annex 4
- 3.4.1 Section I: Limits and methodology for determining when agreement with another administration is required.
- 3.4.2 Section II: Examination of conformity with the digital Plan entry.
- 3.5 Annex 5: List of assignments to *other primary terrestrial services* as referred to in § 1.15 of Article 1 of the *Agreement*.

## ARTICLE 4

**Procedure for modifications to the Plans and procedure for coordination of other primary terrestrial services**

- 1.1 **4.1 Modifications to the *Plans***
- 4.1.1 When an administration proposes to make a modification to the digital Plan or the analogue Plan, i.e. in cases where an administration needs:
- a) to change the characteristics of an allotment, or of an assignment to a broadcasting station, appearing in the *Plans*; or

<sup>1)</sup> After the expiry of the *Transition period*, the *Plans* will only contain the digital Plan.

<sup>2)</sup> For Morocco, the analogue Plan covers the band 170-230 MHz.

- b) to add to the *Plans* an allotment, or an assignment to a broadcasting station; or
- c) to add to the digital Plan an assignment stemming from an allotment in the digital Plan<sup>1)</sup>; or
- d) to cancel from the *Plans* an allotment, or an assignment to a broadcasting station, this administration shall apply the procedure contained in this Article before any notification is made under Article 5.

#### 1.1.1 4.1.2 *Initiation of the modification procedure*

4.1.2.1 Any administration proposing to change the characteristics of an assignment/allotment appearing in the *Plans*, or to add a new assignment/allotment to the *Plans*, shall seek the agreement of any other administration whose broadcasting service and/or *other primary terrestrial services* are considered to be affected.

4.1.2.2 An administration is considered to be affected in respect of its broadcasting service when the limits given in Section I of Annex 4 are exceeded.

4.1.2.3 An administration is considered to be affected in respect of its *other primary terrestrial services* when the limits given in Section I of Annex 4 are exceeded for any of the following assignments:

- a) *existing assignments to other primary terrestrial services*;
- b) assignments to *other primary terrestrial services* for which the procedure for coordination with the broadcasting service under § 4.2 has been initiated, i.e. for which the complete information referred to in § 4.2.2.6 has been received by the *Bureau*.

4.1.2.4 The agreement referred to in § 4.1.2.1 is not required if:

- a) none of the corresponding limits in Section I of Annex 4 referred to in § 4.1.2.2 and § 4.1.2.3 are exceeded; or
- b) the proposed modification relates to changes in the technical characteristics which do not increase the existing level of interference and do not increase the existing level of protection required.

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<sup>1)</sup> If the intention is not to include the assignments into the digital Plan, administrations should directly apply Article 5.



4.1.2.5 An administration proposing to modify the *Plans* shall communicate to the *Bureau* the relevant characteristics listed in Annex 3, in electronic form, and shall also indicate, if appropriate, the names of any administrations which have already agreed to the proposed modification on the basis of the characteristics communicated to the *Bureau*.

This communication shall also be considered by the *Bureau*, if so requested, as a request to apply the procedure contained in § 4.1.5.3 in the following cases:

- no agreements are required under § 4.1.2.4 and no administration's name is included under § 4.1.3.2; or
- all agreements have been received and no administration's name is removed under § 4.1.2.9 or included under § 4.1.3.2.

4.1.2.6 If the characteristics submitted under § 4.1.2.5 are found to be incomplete, the *Bureau* shall immediately seek from the administration proposing to modify the *Plans* any clarification required and the information not provided.

4.1.2.7 In application of § 4.1.1 c), if the *Bureau* finds that, in the case of a conversion of an allotment into one or several assignments, the conditions in Section II of Annex 4 are met, the provisions of § 4.1.5.3 shall apply<sup>1)</sup>. Otherwise, the *Bureau* shall request the administration proposing the modification to the digital Plan to take appropriate action. The proposed modification shall lapse if the administration does not modify within 30 days the characteristics so that they comply with Section II of Annex 4. This 30-day period starts on the date of the dispatch of the *Bureau's* request.

4.1.2.8 On receipt of the complete information referred to in § 4.1.2.5 or § 4.1.2.6, as appropriate, the *Bureau* shall, within 40 days:

- a) identify the administrations considered to be affected, in accordance with § 4.1.2.2 and § 4.1.2.3;
- b) publish the characteristics received in the Special Section of the *BR IFIC*, together with the names of the administrations identified, indicating those whose agreement has been communicated under § 4.1.2.5 by the administration proposing to modify the *Plans*, if approp-

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<sup>1)</sup> In the case of assignments stemming from an allotment in the digital Plan which bears remarks in the "remarks" columns of the Plan, these remarks shall be extended to these assignments.

riate, and the corresponding assignments to the *other primary terrestrial services* which are considered to be affected, if appropriate;

c) inform the administrations identified in *a)* above.

4.1.2.9 An administration whose agreement has been communicated to the *Bureau* under § 4.1.2.5, may, within 40 days from the date of the publication of the *BR IFIC* referred to in § 4.1.2.8 *b)*, request the *Bureau* to remove its name from the list of administrations having given their agreement, as published under § 4.1.2.8 *b)*. A copy of this request shall be sent by the *Bureau* to the administration proposing to modify the *Plans*. In the case of the removal of the name of an administration from the list of administrations having given their agreement, as published under § 4.1.2.8 *b)*, the *Bureau* shall consider that the agreement with that administration has not been obtained.

1.1.2 4.1.3 *Request for inclusion in the agreement-seeking process*

4.1.3.1 Any administration which considers that it should have been included in the list of administrations considered to be affected may, within 40 days from the date of publication of the *BR IFIC* referred to in § 4.1.2.8 *b)*, request the *Bureau* to include its name in the list of administrations considered to be affected, giving its reasons for doing so based on criteria in Section I of Annex 4.

4.1.3.2 On receipt of this request, the *Bureau* shall examine the matter and, if in accordance with § 4.1.2.2 and § 4.1.2.3, it finds that the name of the administration should have been included in the list of administrations considered to be affected, it shall:

- inform immediately the administration proposing to modify the *Plans* and the administration requesting to be included in the list of administrations considered to be affected; and
- publish, within 30 days from the date of receipt of the request, the name of the administration in an addendum to the Special Section of the *BR IFIC* referred to in § 4.1.2.8 *b)*, and the corresponding assignments to *other primary terrestrial services*, if appropriate.

For the administration whose name has been published in the addendum, the overall period of 75 days specified in § 4.1.4.6, 4.1.4.7, 4.1.4.8, 4.1.4.9, 4.1.4.10 and 4.1.5.1 shall be counted from the date of publication of the addendum to the Special Section of the *BR IFIC* referred to above.

If the *Bureau* finds that the name of the administration should not be included in the list of administrations considered to be affected, it shall inform this administration.

4.1.3.3 The administration proposing to modify the *Plans* shall seek the agreement of the administrations whose agreement has not been obtained (see also § 4.1.2.9) and which are listed in the publication referred to in § 4.1.2.8 *b*) or § 4.1.3.2, as appropriate, by applying the procedure contained in § 4.1.4 below.

4.1.3.4 If all agreements have been received and no administration's name is removed under § 4.1.2.9 and no administration's name is included under § 4.1.3.2, the procedure contained in § 4.1.5.3 applies.

1.1.3 4.1.4 *Seeking agreement of the administrations which are considered to be affected and whose agreement has yet to be obtained*

4.1.4.1 The Special Section of the *BR IFIC* referred to in § 4.1.2.8 *b*) or § 4.1.3.2, as appropriate, constitutes the formal request for coordination addressed to those administrations whose agreement has yet to be obtained.

4.1.4.2 When seeking the agreement of another administration, the administration proposing to modify the *Plans* may also communicate any additional information relating to proposed criteria to be used as well as other details concerning the terrain data, particular propagation conditions, etc.

4.1.4.3 On receipt of the Special Section of the *BR IFIC* referred to in § 4.1.2.8 *b*) or § 4.1.3.2, as appropriate, any administration listed therein shall examine the effect of the proposed modification to the digital Plan or to the analogue Plan on its broadcasting service and on its assignments to *other primary terrestrial services*, taking into account, as far as possible, the additional information referred to in § 4.1.4.2.

4.1.4.4 An administration from which agreement is sought may request the *Bureau* to assist by providing further information to enable the administration to assess the interference from the proposed modification, using the method described in Section I of Annex 4. The *Bureau* shall send this information by the most expeditious means.

4.1.4.5 An administration from which agreement is sought may send its comments to the administration proposing the modification to the *Plans* either directly or through the *Bureau*. In any event, the *Bureau* shall be informed of these comments.

4.1.4.6 An administration which is not in a position to give its agreement to the proposed modification with respect to its broadcasting service shall give its decision, with reasons related to its broadcasting service, within 75 days from the date of publication of the *BR IFIC* referred to in § 4.1.2.8 *b*) or § 4.1.3.2, as appropriate.

4.1.4.7 An administration which is not in a position to give its agreement to the proposed modification with respect to its *other primary terrestrial services* shall give its reasons, based on its own assignments as referred to in § 4.1.2.3 *a*) and *b*), within 75 days from the date of publication of the *BR IFIC* referred to in § 4.1.2.8 *b*) or § 4.1.3.2, as appropriate.

4.1.4.8 Fifty days after publication of the *BR IFIC* referred to in § 4.1.2.8 *b*) or § 4.1.3.2, as appropriate, the *Bureau* shall request any administration which has not yet given its decision on the matter to do so. After an overall period of 75 days following the date of publication of the *BR IFIC*, the *Bureau* shall immediately inform the administration proposing the modification to the *Plans* that it has sent out the aforementioned requests and provide it with the names of the administrations which have given their agreement and the name of the administrations which have not replied.

4.1.4.9 When an administration has not replied within this 75-day period, it is deemed that this administration has not agreed to the proposed modification to the *Plans*, unless the provisions of § 4.1.4.10 and § 4.1.4.11 are applied.

4.1.4.10 After this 75-day period, the administration proposing to modify the *Plans* may request the *Bureau* to assist by sending a reminder to the administration which has not replied, requesting a decision. This request shall in no way extend the 24-month period mentioned in § 4.1.5.1.

4.1.4.11 If no decision is communicated to the *Bureau* within 40 days after the date of dispatch of the reminder under § 4.1.4.10, it shall be deemed that the administration which has not given a decision has agreed to the proposed modification to the *Plans*.

4.1.4.12 If, at the end of the periods mentioned in § 4.1.4.9 or § 4.1.4.11 above, there is continuing disagreement, the *Bureau* shall conduct any study that may be requested by either the administration proposing the modification to the *Plans* or administrations from which agreement is sought; within 40 days, it shall inform them of the result of the study and shall make such recommendations as it may be able to offer for the solution of the problem.

4.1.4.13 An administration may, before applying the procedures in § 4.1, or at any stage during application of the procedure described therein, request the assistance of the *Bureau* without this having any implication on the application of the above-mentioned periods.

4.1.4.14 If, in seeking agreement, an administration modifies its initial proposal, it shall again apply the provisions of § 4.1.

1.1.4 4.1.5 *Completion of the modification procedure*

4.1.5.1 When an administration has obtained the agreement of all the administrations whose names were published in the *BR IFIC* referred to in § 4.1.2.8 b) or § 4.1.3.2, as appropriate, it shall inform the *Bureau* of the final agreed characteristics of the assignment/allotment together with the names of the administrations with which agreement has been reached. If the administration proposing the modification to the *Plans* does not inform the *Bureau* within 24 months after the 75-day period referred to in § 4.1.4.6 to § 4.1.4.10, the proposed modification shall lapse.

4.1.5.2 If the above-mentioned final agreed characteristics result in the identification of new affected administrations, the administration proposing the modification to the *Plans* shall again apply the provisions of § 4.1 with respect to these new administrations.

4.1.5.3 From the receipt of the complete information referred to in § 4.1.5.1, the *Bureau* shall, within 30 days, publish in the Special Section of the *BR IFIC* the characteristics of the assignment/allotment together with the names of the administrations which have agreed to the proposed modification to the *Plans* and include the new or modified assignment/allotment in the *Plans*, as appropriate. With respect to *Contracting Members*, the assignment/allotment concerned shall enjoy the same status as those appearing in the *Plans*. However, in the case of an assignment in the Plan resulting from the conversion of an allotment, this assignment shall remain in accordance with the allotment from which it stems and in conformity with Section II of Annex 4.

4.1.5.4 The agreement of the administration(s) affected may also be obtained in accordance with this Article for a specific period of time. The assignment or allotment, as appropriate, shall be removed from the *Plans* and/or from the *MIFR*, as appropriate, by the *Bureau* at the end of this period of time, after it has informed the administration.

1.1.5      4.1.6      *Cancellation of an assignment or an allotment*

When an assignment or an allotment in the *Plans* is cancelled either under § 4.1.1 *d*) or § 4.1.5.4, the *Bureau* shall publish this information in a Special Section of the *BR IFIC*.

In the case of the cancellation of an allotment, the *Bureau* shall cancel all assignments stemming from this allotment from the digital Plan and from the *MIFR* after having informed the administration.

1.1.6      4.1.7      *Updating of the Plans*

The *Bureau* shall maintain and publish periodically an up-to-date master copy of the *Plans*, taking account of any changes, additions and deletions made in accordance with the procedure of this Article.

**1.2      4.2      Coordination of assignments to other primary terrestrial services with the broadcasting service**

4.2.1      When an administration proposes to change the characteristics of an *existing assignment to other primary terrestrial services*, or to bring into use a new assignment to *other primary terrestrial services*, the procedure contained in this Article shall be applied before any notification is made under the provisions of Article 5.

1.2.1      4.2.2      *Initiation of the coordination procedure*

4.2.2.1      In application of § 4.2.1, an administration shall seek the agreement of any other administration whose broadcasting service is considered to be affected.

4.2.2.2      An administration is considered to be affected in respect of its broadcasting service when the limits given in Section I of Annex 4 are exceeded.

4.2.2.3      The agreement referred to in § 4.2.2.1 is not required if:

*a*)      none of the corresponding limits in Section I of Annex 4 referred to in § 4.2.2.2 are exceeded; or

*b*)      the proposed modification relates to changes in the technical characteristics which do not increase the existing level of interference and do not increase the existing level of protection required.

4.2.2.4      An administration proposing a new or modified assignment shall communicate to the *Bureau* the relevant characteristics listed in Annex 3, in electronic form, and shall also indicate, if appropriate, the

names of any administrations which have already agreed to the proposed new or modified assignment on the basis of the characteristics communicated to the *Bureau*.

This communication shall also be considered by the *Bureau*, if so requested, as a request to apply the procedure contained in § 4.2.5.3 in the following cases:

- no agreements are required under § 4.2.2.3 and no administration's name is included under § 4.2.3.2; or
- all agreements have been received and no administration's name is removed under § 4.2.2.7 or included under § 4.2.3.2.

4.2.2.5 If the characteristics submitted under § 4.2.2.4 are found to be incomplete, the *Bureau* shall immediately seek from this administration any clarification required and the information not provided.

4.2.2.6 On receipt of the complete information referred to in § 4.2.2.4 or § 4.2.2.5, as appropriate, the *Bureau* shall, within 40 days:

- a) identify the administrations considered to be affected, in accordance with § 4.2.2.2;
- b) publish the characteristics received in the Special Section of the *BR IFIC*, together with the names of the administrations identified, indicating those whose agreement has been communicated under § 4.2.2.4 by the administration seeking the agreement;
- c) inform the administrations identified in a) above.

4.2.2.7 An administration whose agreement has been communicated to the *Bureau* under § 4.2.2.4 may, within 40 days from the date of the publication of the *BR IFIC* referred to in § 4.2.2.6 b), request the *Bureau* to remove its name from the list of administrations having given their agreement, as published under § 4.2.2.6 b). A copy of this request shall be sent by the *Bureau* to the administration seeking the agreement. In the case of the removal of a name of an administration from the list of administrations having given their agreement, as published under § 4.2.2.6 b), the *Bureau* shall consider that the agreement with that administration has not been obtained.

1.2.2      4.2.3      *Request for inclusion in the agreement-seeking process*

4.2.3.1 Any administration which considers that it should have been included in the list of administrations considered to be affected-

may, within 40 days from the date of publication of the *BR IFIC*, request the *Bureau* to include its name in the list of administrations considered to be affected, giving its reasons for doing so based on criteria in Section I of Annex 4.

4.2.3.2 On receipt of this request, the *Bureau* shall examine the matter and, if in accordance with § 4.2.2.2, it finds that the name of the administration should have been included in the list of administrations considered to be affected, it shall:

- inform immediately the administration seeking the agreement and the administration requesting to be included in the list of administrations considered to be affected; and
- publish, within 30 days from the date of receipt of the request, the name of the administration in an addendum to the Special Section of the *BR IFIC* referred to in § 4.2.2.6 b).

For the administration whose name has been published in the addendum, the overall period of 75 days specified in § 4.2.4.6, 4.2.4.7, 4.2.4.8, 4.2.4.9 and 4.2.5.1 shall be counted from the date of publication of the addendum to the Special Section of the *BR IFIC* referred to above.

If the *Bureau* finds that the name of the administration should not be included in the list of administrations considered to be affected, it shall inform this administration.

4.2.3.3 The administration proposing the new or modified assignment shall seek the agreement of the administrations whose agreement has not been obtained (see also § 4.2.2.7) and which are listed in the publication referred to in § 4.2.2.6 b) or § 4.2.3.2, as appropriate, by applying the procedure contained in § 4.2.4 below.

4.2.3.4 If all agreements have been received and no administration's name is removed under § 4.2.2.7 and no administration's name is included under § 4.2.3.2, the procedure contained in § 4.2.5.3 applies.

1.2.3      4.2.4      *Seeking agreement of the administrations which are considered to be affected and whose agreement has yet to be obtained*

4.2.4.1 The Special Section of the *BR IFIC* referred to in § 4.2.2.6 b) or § 4.2.3.2, as appropriate, constitutes the formal request for coordination addressed to those administrations whose agreement has yet to be obtained.



4.2.4.2 When seeking the agreement of another administration, the administration proposing the new or modified assignment may also communicate any additional information relating to proposed criteria to be used as well as other details concerning the terrain data, particular propagation conditions, etc.

4.2.4.3 On receipt of the Special Section of the *BR IFIC* referred to in § 4.2.2.6 *b*) or § 4.2.3.2, as appropriate, any administration listed therein shall examine the effect of the proposed new or modified assignment on its broadcasting service, taking into account, as far as possible, the additional information referred to in § 4.2.4.2.

4.2.4.4 An administration from which agreement is sought may request the *Bureau* to assist by providing further information to enable the administration to assess the interference from the proposed new or modified assignment, using the method described in Section I of Annex 4. The *Bureau* shall send this information by the most expeditious means.

4.2.4.5 An administration from which agreement is sought may send its comments to the administration proposing the new or modified assignment, either directly or through the *Bureau*. In any event, the *Bureau* shall be informed of these comments.

4.2.4.6 An administration which is not in a position to give its agreement to the proposed new or modified assignment shall give its decision, with reasons related to its broadcasting service, within 75 days from the date of publication of the *BR IFIC* referred to in § 4.2.2.6 *b*) or § 4.2.3.2, as appropriate.

4.2.4.7 Fifty days after publication of the *BR IFIC* referred to in § 4.2.2.6 *b*) or § 4.2.3.2, as appropriate, the *Bureau* shall request any administration which has not yet given its decision on the matter to do so. After an overall period of 75 days following the date of publication of the *BR IFIC*, the *Bureau* shall immediately inform the administration proposing the new or modified assignment that it has sent out the aforementioned requests and provide it with the names of the administrations which have given their agreement and the name of the administrations which have not replied.

4.2.4.8 When an administration has not replied within this 75-day period, it is deemed that this administration has not agreed to the proposed new or modified assignment, unless the provisions of § 4.2.4.9 and § 4.2.4.10 are applied.

4.2.4.9 After the 75-day period, the administration proposing the new or modified assignment may request the *Bureau* to assist by sending a reminder to the administration which has not replied, requesting a decision. This request shall in no way extend the 24-month period mentioned in § 4.2.5.1.

4.2.4.10 If no decision is communicated to the *Bureau* within 40 days after the date of dispatch of the reminder under § 4.2.4.9, it shall be deemed that the administration which has not given a decision has agreed to the proposed new or modified assignment.

4.2.4.11 If, at the end of the periods mentioned in § 4.2.4.8 or § 4.2.4.10 above, there is continuing disagreement, the *Bureau* shall conduct any study that may be requested by either the administration proposing the new or modified assignment or administrations from which agreement is sought; within 40 days, it shall inform them of the result of the study and shall make such recommendations as it may be able to offer for the solution of the problem.

4.2.4.12 An administration may, before applying the procedures in § 4.2, or at any stage during application of the procedure described therein, request the assistance of the *Bureau* without this having any implication on the application of the above-mentioned periods.

4.2.4.13 If, in seeking agreement, an administration modifies its initial proposal, it shall again apply the provisions of § 4.2.

#### 1.2.4 4.2.5 *Completion of the coordination procedure*

4.2.5.1 When an administration has obtained the agreement of all the administrations whose names were published in the *BR IFIC* referred to in § 4.2.2.6 *b*) or § 4.2.3.2, as appropriate, it shall inform the *Bureau* of the final agreed characteristics of the assignment together with the names of the administrations with which agreement has been reached. If the administration proposing the new or modified assignment does not inform the *Bureau* within 24 months after the 75-day period referred to in § 4.2.4.6 to 4.2.4.9, the proposed modification shall lapse.

4.2.5.2 If the above-mentioned final agreed characteristics result in the identification of new affected administrations, the administration proposing the new or modified assignment shall again apply the provisions of § 4.2 with respect to these new administrations.

4.2.5.3 From the receipt of the complete information referred to in § 4.2.5.1, the *Bureau* shall, within 30 days, publish in the Special Section of the *BR IFIC* the characteristics of the assignment together with

the names of the administrations which have agreed to the proposed new or modified assignment and include the new or modified assignment in the *List*.

4.2.5.4 The proposed new or modified assignment shall lapse if it is not notified under Article 5 within 12 months after the publication referred to in § 4.2.5.3.

4.2.5.5 The agreement of the administration(s) affected may also be obtained in accordance with this Article for a specific period of time. The assignment shall be removed from the *List* and/or from the *MIFR*, as appropriate, by the *Bureau* at the end of this period of time, after it has informed the administration.

1.2.5      4.2.6      *Updating of the List*

The *Bureau* shall maintain and publish periodically an up-to-date master copy of the *List*, taking account of any changes, additions and deletions made in accordance with the procedure of this Article.

## ARTICLE 5

### Notification of frequency assignments

1.3      **5.1      Notification of frequency assignments to broadcasting stations**

5.1.1      When an administration proposes to bring into use an assignment to a broadcasting station, it shall notify to the *Bureau*, in accordance with the provisions of Article 11 of the *Radio Regulations*, the characteristics of this assignment, as specified in Annex 3 of the *Agreement*.

5.1.2      Under the examination by the *Bureau* of the assignment with respect to No. 11.34 of the *Radio Regulations*, i.e. its conformity with the *Plans* and the associated provisions, the finding shall be favourable if:

a)      the assignment is contained in the *Plans*<sup>1)</sup> and not bearing any remark with respect to assignments in the analogue Plan, to *existing assignments to other primary terrestrial services* or to entries in the digital Plan, and the conditions of Section II of Annex 4 are met; or

b)      the assignment is contained in the digital Plan and bearing a remark with respect to:

<sup>1)</sup> This provision shall not be applicable to the analogue Plan after the end of the *Transition period*.

– assignments in the analogue Plan or to *existing assignments to other primary terrestrial services*, and all the necessary agreements have been obtained, and the conditions of Section II of Annex 4 are met; and/or

– entries in the digital Plan, and the notifying administration states that all conditions associated with the remark are fully met, and the conditions of Section II of Annex 4 are met; or

c) in the case of an assignment stemming from an allotment in the digital Plan, which does not bear any remark with respect to assignments in the analogue Plan, to *existing assignments to other primary terrestrial services*, or to entries in the digital Plan, the conditions of Section II of Annex 4 are met; or

d) in the case of an assignment stemming from an allotment in the digital Plan, which bears a remark with respect to:

– assignments in the analogue Plan or to *existing assignments to other primary terrestrial services*, all the necessary agreements have been obtained and the conditions of Section II of Annex 4 are met; and/or

– entries in the digital Plan, the conditions of Section II of Annex 4 are met and the notifying administration states that all conditions associated with the remark are fully met; or

e) in the case of the use of an entry in the digital Plan, with different characteristics, within the DVB-T or T-DAB systems, the conditions specified in Section II of Annex 4 are met.

5.1.3 A digital entry in the Plan may also be notified with characteristics different from those appearing in the Plan, for transmissions in the broadcasting service or in *other primary terrestrial services* operating in conformity with the *Radio Regulations*, provided that the peak power density in any 4 kHz of the above-mentioned notified assignments shall not exceed the spectral power density in the same 4 kHz of the digital entry in the Plan. Such use shall not claim more protection than that afforded to the above-mentioned digital entry.

5.1.4 If the examination referred to in § 5.1.2, and § 5.1.3 where appropriate, leads to a favourable finding, the assignment shall be recorded in the *MIFR*. In relations between *Contracting Members*, all broadcasting frequency assignments recorded in the *MIFR* and in conformity with the *Agreement* shall be considered to have the same status irrespec-

tive of the date of receipt of the notices by the *Bureau* for such frequency assignments or of the date on which they are brought into service.

5.1.5 If the examination referred to in § 5.1.2 or § 5.1.3, as appropriate, leads to an unfavourable finding, the notice shall be returned to the notifying administration with the reasons therefor.

5.1.6 If the administration resubmits the notice and the re-examination by the *Bureau* under § 5.1.2, and § 5.1.3 where appropriate, leads to a favourable finding, the assignment shall be recorded in the *MIFR*.

5.1.7 If the re-examination under § 5.1.2 leads to an unfavourable finding, the assignment shall be recorded with a favourable finding under No. **11.31**, and with an unfavourable finding under No. **11.34** together with the name(s) of the administration(s) with which there is continuing disagreement, indicating that with respect to this (these) administration(s) the recorded assignment shall be operated under the conditions of not causing unacceptable interference to, and not claiming protection from, any station operating in conformity with the *Agreement* and its associated *Plans*.

5.1.8 The notice for resubmission shall also include a signed commitment by the notifying administration, indicating that use of an assignment submitted for recording in the *MIFR* under § 5.1.7 shall not cause unacceptable interference to, nor claim protection from, any station of the administration with which there is continuing disagreement operating in conformity with the *Agreement* and its associated *Plans* and recorded in the *MIFR* with a favourable finding with respect to Nos. **11.31** and **11.34**.

5.1.9 Should unacceptable interference be caused by the use of this assignment to any assignment of the administration with which there is continuing disagreement operating in conformity with the *Agreement* and its associated *Plans* and recorded in the *MIFR* with a favourable finding with respect to Nos. **11.31** and **11.34**, the administration causing unacceptable interference shall, upon receipt of advice thereof, immediately eliminate this interference.

#### 1.4 **5.2 Notification of frequency assignments to other primary terrestrial services**

5.2.1 When an administration proposes to bring into use an assignment to *other primary terrestrial services*, it shall notify the assignment to the *Bureau* in accordance with the provisions of Article **11** of the *Radio Regulations*.

5.2.2 Under the examination by the *Bureau* of conformity with the *Agreement*, the *Bureau* shall examine the notice with respect to the successful application of the procedure contained in § 4.2 of the *Agreement*.

5.2.3 If the examination referred to in § 5.2.2 above leads to a favourable finding, the assignment shall be recorded in the *MIFR*. Otherwise, the notice shall be returned to the notifying administration with the reasons therefor.

5.2.4 If the administration resubmits the notice and the re-examination by the *Bureau* under § 5.2.2 above leads to a favourable finding, the assignment shall be recorded in the *MIFR* accordingly.

5.2.5 If the re-examination under § 5.2.2 leads to an unfavourable finding, the assignment shall be recorded with a favourable finding under No. **11.31**, and with an unfavourable finding under No. **11.34** together with the name(s) of the administration(s) with which there is continuing disagreement, indicating that with respect to this (these) administration(s) the recorded assignment shall be operated under the conditions of not causing unacceptable interference to, and not claiming protection from, any station operating in conformity with the *Agreement* and its associated *Plans*.

5.2.6 The notice for resubmission shall also include a signed commitment by the notifying administration, indicating that use of an assignment recorded in the *MIFR* under § 5.2.5 shall not cause unacceptable interference to, nor claim protection from, any station of the administration with which there is continuing disagreement operating in conformity with the *Agreement* and its associated *Plans* and recorded in the *MIFR* with a favourable finding with respect to Nos. **11.31** and **11.34**.

5.2.7 Should unacceptable interference be caused by the use of this assignment to any assignment of the administration with which there is continuing disagreement operating in conformity with the *Agreement* and its associated *Plans* and recorded in the *MIFR* with a favourable finding with respect to Nos. **11.31** and **11.34**, the administration causing unacceptable interference shall, upon receipt of advice thereof, immediately eliminate this interference.

## ARTICLE 6

### Settlement of disputes

6.1 If, after application of the procedure described in the above articles, the administrations concerned have been unable to reach agreement, they may resort to the procedure described in Article **56** of the

*Constitution*. They may also agree to apply the Optional Protocol on the compulsory settlement of disputes relating to the ITU Constitution, the ITU Convention and to the Administrative Regulations.

#### ARTICLE 7

##### **Accession to the Agreement**

7.1 Any Member State in the *Planning Area* which has not signed the *Agreement* may at any time deposit an instrument of accession with the *Secretary-General*, who shall immediately inform the other Member States. Accession to the *Agreement* shall be made without reservations and shall apply to the *Plans* as they stand at the time of accession.

7.2 Accession to the *Agreement* shall become effective on the date on which the instrument of accession is received by the *Secretary-General*.

#### ARTICLE 8

##### **Scope of application of the Agreement**

8.1 The *Agreement* shall bind *Contracting Members* in their relations with one another but shall not bind those members in their relations with non-contracting members.

8.2 If a *Contracting Member* enters reservations with regard to the application of any provision of the *Agreement*, other *Contracting Members* shall be free to disregard such provision in their relations with the member which has made such reservations.

#### ARTICLE 9

##### **Approval of the Agreement**

9.1 Member States signatories to the *Agreement* shall notify their approval of this *Agreement*, as promptly as possible, to the *Secretary-General*, who shall at once inform the other Member States.

#### ARTICLE 10

##### **Denunciation of the Agreement**

10.1 Any *Contracting Member* may denounce the *Agreement* at any time by a notification sent to the *Secretary-General*, who shall inform the other Member States.

10.2 Denunciation shall become effective one year after the date on which the *Secretary-General* receives the notification of denunciation.

10.3 On the date on which the denunciation becomes effective, the *Bureau* shall delete from the *Plans* the assignments and/or the allotments entered in the name of the Member State which has denounced the *Agreement*.

#### ARTICLE 11

##### **Revision of the Agreement**

11.1 No revision of the *Agreement* shall be undertaken except by a competent regional radiocommunication conference convened in accordance with the procedure laid down in the *Constitution and Convention*, to which all the Member States in the *Planning Area* shall be invited.

#### ARTICLE 12

##### **Entry into force, duration and provisional application of the Agreement**

12.1 The *Agreement* shall enter into force on 17 June 2007 at 0001 hours UTC.

12.2 The provisions of the *Agreement* shall be provisionally applicable as of 17 June 2006 at 0001 hours UTC.

12.3 As from the date mentioned in § 12.2 above, broadcasting stations in operation with frequency assignments which do not appear in the *Plans* or which are not in conformity with the *Agreement* and its associated *Plans* (see § 5.1.2 of Article 5) may continue to be operated under the conditions of not causing unacceptable interference to, and not claiming protection from, any assignments in conformity with the *Agreement* and its associated *Plans*.

12.4 The *Agreement* shall remain in force until it is revised in accordance with Article 11 of the *Agreement*.

12.5 The *Transition period* shall commence on 17 June 2006 at 0001 hours UTC. During the *Transition period*, assignments in the analogue Plan (as specified in § 3.1.2 of Article 3) shall be protected.

12.6 The *Transition period* shall end on 17 June 2015 at 0001 hours UTC. However, for the countries listed in footnote 1 be-



low<sup>1)</sup>, for the band 174-230 MHz<sup>2)</sup>, the *Transition period* shall end on 17 June 2020 at 0001 hours UTC. After the end of the applicable *Transition period*, the corresponding entries in the analogue Plan shall be cancelled by the *Bureau*, and

- the provisions of § 4.1 of Article 4 referring to the modification of the analogue Plan; and

- remarks with respect to analogue assignments

shall cease to apply to the analogue assignments in the corresponding countries.

12.7 After the end of the above-mentioned *Transition period*, the *Bureau* shall review the status of the assignments which were contained in the analogue Plan and recorded in the *MIFR* and invite the administrations to cancel the corresponding entries in the *MIFR*.

12.8 Following the action of the *Bureau* under § 12.7 above, administrations may request the *Bureau* to cancel the corresponding assignments, or continue to operate them, under the conditions that these analogue assignments:

- a) were contained in the Plan and already brought into use, and
- b) shall not cause unacceptable interference to, and shall not claim protection from, any assignments in conformity with the *Agreement* and its associated *Plans* (see § 5.1.2 of Article 5).

12.9 The *Bureau* shall update the *MIFR* accordingly.

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<sup>1)</sup> List of the countries: Algeria (People's Democratic Republic of), Burkina Faso, Cameroon (Republic of), Congo (Republic of the), Côte d'Ivoire (Republic of), Egypt (Arab Republic of), Gabonese Republic, Ghana, Guinea (Republic of), Iran (Islamic Republic of), Jordan (Hashemite Kingdom of), Mali (Republic of), Morocco (Kingdom of), Mauritania (Islamic Republic of), Nigeria (Federal Republic of), Syrian Arab Republic, Sudan (Republic of the), Chad (Republic of), Togolese Republic, Tunisia, Yemen (Republic of).

For the following administrations which were not present at RRC-06, namely Benin (Republic of), Central African Republic, Eritrea, Ethiopia (Federal Democratic Republic of), Guinea-Bissau (Republic of), Equatorial Guinea (Republic of), Liberia (Republic of), Madagascar (Republic of), Niger (Republic of the), Democratic Republic of the Congo, Sao Tome and Principe (Democratic Republic of), Sierra Leone and Somali Democratic Republic, the date of the end of the transition period in the VHF band (174-230 MHz) is 17 June 2020 at 0001 hours UTC, unless any of the aforementioned administrations communicates to the *Bureau* during the 90-day period from the end of RRC-06 that it selects 17 June 2015 at 0001 hours UTC.

<sup>2)</sup> 170-230 MHz for Morocco.

IN WITNESS WHEREOF, the delegates of the Member States of the International Telecommunication Union from the *Planning Area*, named below have, on behalf of their respective competent authorities, signed one copy of these Final Acts. In case of dispute, the French text shall prevail. This copy shall remain deposited in the archives of the Union. The Secretary-General shall forward one certified true copy to each Member State of the International Telecommunication Union from the *Planning Area*.

DONE at Geneva, 16 June 2006

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D. PARLEMENT

Zie *Trb.* 1981, 78, *Trb.* 1982, 137, *Trb.* 1984, 9 en 121, *Trb.* 1987, 125, *Trb.* 1988, 26, 97 en 146, *Trb.* 1989, 93, *Trb.* 1990, 132, *Trb.* 1992, 176, *Trb.* 1995, 218, *Trb.* 1997, 135, *Trb.* 1999, 46 en *Trb.* 2001, 159 en 160.

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*Radioreglement, WRC-03*

De in rubriek B hierboven afgedrukte herziening van het Radioreglement van 2003 (WRC-03) behoeft ingevolge artikel 7, onderdeel b, van de Rijkswet goedkeuring en bekendmaking verdragen niet de goedkeuring van de Staten-Generaal.

In overeenstemming met artikel 13, eerste lid, van de Rijkswet goedkeuring en bekendmaking verdragen is de herziening van het Radioreglement van 2003 (WRC-03) ter kennis gebracht van de Eerste en Tweede Kamer der Staten-Generaal bij brieven van 2 juni 2004 (Kamerstukken 2003-2004, 23 908 (R 1519), nr. 66).

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*Regionale Overeenkomst van 23 juni 1961*

De in rubriek B hierboven afgedrukte Regionale Overeenkomst van 1961 behoeft ingevolge artikel 7, onderdeel b, van de Rijkswet goedkeuring en bekendmaking verdragen niet de goedkeuring van de Staten-Generaal.

In overeenstemming met artikel 13, eerste lid, van de Rijkswet goedkeuring en bekendmaking verdragen is de Regionale Overeenkomst ter kennis gebracht van de Eerste en Tweede Kamer der Staten-Generaal bij brieven van 8 november 2004 (Kamerstukken 2004-2005, 23 908 (R 1519), F en nr. 67).

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*Protocol (van 16 juni 2006) tot herziening van de Regionale Overeenkomst van 1961*

Het in rubriek B hierboven afgedrukte Protocol van 2006 tot herziening van de Regionale Overeenkomst heeft ingevolge artikel 7, onderdeel b, van de Rijkswet goedkeuring en bekendmaking verdragen niet de goedkeuring van de Staten-Generaal.

In overeenstemming met artikel 13, eerste lid, van de Rijkswet goedkeuring en bekendmaking verdragen is het Protocol tot herziening van de Regionale Overeenkomst ter kennis gebracht van de Eerste en Tweede Kamer der Staten-Generaal bij brieven van 23 augustus 2006 (Kamerstukken 2005-2006, 23 908 (R 1519), nr. 73).

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*Regionale Overeenkomst digitale omroep van 16 juni 2006*

De in rubriek B hierboven afgedrukte Regionale Overeenkomst digitale omroep van 2006 heeft ingevolge artikel 7, onderdeel b, van de Rijkswet goedkeuring en bekendmaking verdragen niet de goedkeuring van de Staten-Generaal.

In overeenstemming met artikel 13, eerste lid, van de Rijkswet goedkeuring en bekendmaking verdragen is de Regionale Overeenkomst digitale omroep ter kennis gebracht van de Eerste en Tweede Kamer der Staten-Generaal bij brieven van 23 augustus 2006 (Kamerstukken 2005-2006, 23 908 (R 1519), nr. 73).

E. PARTIJGEGEVENS

Zie rubriek E van *Trb.* 1982, 137.

*Radioreglement 1979<sup>1)</sup>*

Partij	Ondertekening	Ratificatie	Type <sup>1)</sup>	In werking	Opzegging	Buiten werking
Afghanistan	06-12-79					
Algerije	06-12-79					
Angola	06-12-79					
Argentinië	06-12-79	24-11-82	R	24-11-82		

<sup>1)</sup> Er is geen partijenoverzicht door de depositaris beschikbaar gesteld: dit zijn de gegevens voor zover bekend bij de Afdeling Verdragen van het ministerie van Buitenlandse Zaken. Ingevolge artikel 54 van het Statuut van de ITU van 1992 is het Radioreglement in werking voor alle partijen die het Statuut en het Verdrag hebben bekrachtigd, goedgekeurd of aanvaard. Zie *Trb.* 2006, 229 voor een overzicht van de partijen bij het Statuut en het Verdrag.

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Australië	06-12-79					
Bahama's		06-05-83	T	06-05-83		
Bahrein	06-12-79					
Bangladesh	06-12-79					
Belarus	06-12-79	17-06-81	R	01-01-82		
België	06-12-79					
Belize		01-03-82	T	01-03-82		
Benin	06-12-79					
Botswana	06-12-79					
Brazilië	06-12-79					
Bulgarije	06-12-79					
Burkina Faso	06-12-79					
Burundi	06-12-79					
Canada	06-12-79	27-04-82	R	27-04-82		
Centraal Afrikaanse Republiek	06-12-79					
Chili	06-12-79					
China	06-12-79	03-12-81	R	01-01-82		
Colombia	06-12-79					
Congo, Democratische Republiek	06-12-79					
Congo, Republiek	06-12-79					
Costa Rica	06-12-79					
Cuba	06-12-79					
Cyprus	06-12-79					
Denemarken	06-12-79					
Duitsland	06-12-79	08-01-82	R	08-01-82		

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Ecuador	06-12-79					
Egypte	06-12-79					
El Salvador	06-12-79					
Ethiopië	06-12-79	24-01-84	R	24-01-84		
Fiji-eilanden	06-12-79					
Filippijnen, de	06-12-79					
Finland	06-12-79					
Frankrijk	06-12-79					
Gabon	06-12-79					
Ghana	06-12-79					
Griekenland	06-12-79					
Guatemala	06-12-79					
Guinee	06-12-79					
Guyana	06-12-79					
Haiti	06-12-79	25-03-83	R	25-03-83		
Heilige Stoel	06-12-79					
Honduras	06-12-79					
Hongarije	06-12-79	26-10-82	R	26-10-82		
Ierland	06-12-79					
IJsland	06-12-79					
India	06-12-79	08-01-82	R	08-01-82		
Indonesië	06-12-79					
Irak	06-12-79					
Iran	06-12-79					
Israël	06-12-79					
Italië	06-12-79	04-04-85	R	04-04-85		
Ivoorkust	06-12-79	05-06-87	R	05-06-87		
Jamaica	06-12-79	01-06-84	R	01-06-84		

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Japan	06-12-79	22-12-80	R	01-01-82		
Jemen	06-12-79					
Joegoslavië (< 25-06-1991)	06-12-79	31-01-85	R	31-01-85		
Jordanië	06-12-79					
Kaapverdië	06-12-79					
Kameroen	06-12-79					
Kenia	06-12-79					
Koeweit	06-12-79					
Lesotho	06-12-79					
Libanon	06-12-79					
Liberia	06-12-79					
Libië	06-12-79					
Liechtenstein	06-12-79					
Luxemburg	06-12-79					
Madagascar	06-12-79					
Malawi	06-12-79					
Maleisië	06-12-79					
Mali	06-12-79					
Malta	06-12-79					
Marokko	06-12-79					
Mauritanië	06-12-79					
Mauritius	06-12-79					
Mexico	06-12-79	30-03-83	R	30-03-83		
Monaco	06-12-79					
Mongolië	06-12-79					
Mozambique	06-12-79					

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
<b>Nederlanden, het Koninkrijk der</b>	06-12-79	21-07-82	R	21-07-82		
Nepal	06-12-79					
Nicaragua	06-12-79					
Nieuw-Zeeland	06-12-79					
Niger	06-12-79					
Nigeria	06-12-79					
Noord-Korea	06-12-79					
Noorwegen	06-12-79					
Oekraïne	06-12-79	12-05-81	R	01-01-82		
Oman	06-12-79					
Oostenrijk	06-12-79					
Pakistan	06-12-79					
Panama	06-12-79					
Papua-Nieuw Guinea	06-12-79					
Paraguay	06-12-79					
Peru	06-12-79					
Polen	06-12-79					
Portugal	06-12-79					
Qatar	06-12-79					
Roemenië	06-12-79					
Russische Federatie	06-12-79	14-04-81	R	01-01-82		
Rwanda	06-12-79					
San Marino	06-12-79					
Saudi-Arabië	06-12-79	08-05-85	R	08-05-85		
Senegal	06-12-79					
Singapore	06-12-79					

Partij	Onder-tekening	Ratifi-catie	Type <sup>*)</sup>	In werking	Opzeg-ging	Buiten werking
Sint Vincent en de Grenadines		15-12-86	T	15-12-86		
Soedan	06-12-79					
Somalië	06-12-79					
Spanje	06-12-79					
Sri Lanka	06-12-79					
Swaziland	06-12-79					
Syrië	06-12-79					
Tanzania	06-12-79					
Thailand	06-12-79	16-09-86	R	16-09-86		
Togo	06-12-79					
Trinidad en Tobago	06-12-79					
Tsjaad	06-12-79					
Tsjechoslowa-kije (<01-01-1993)	06-12-79	29-09-84	R	29-09-84		
Tunesië	06-12-79					
Turkije	06-12-79					
Uganda	06-12-79					
Uruguay	06-12-79					
Venezuela	06-12-79	05-04-83	R	05-04-83		
Verenigd Koninkrijk, het	06-12-79					
Verenigde Arabische Emiraten, de	06-12-79					
Verenigde Staten van Amerika, de	06-12-79	27-10-83	R	27-10-83		
Zambia	06-12-79					
Zuid-Korea	06-12-79	11-05-84	R	11-05-84		
Zweden	06-12-79					



Partij	Onder-tekening	Ratifi-catie	Type <sup>*)</sup>	In werking	Opzeg-ging	Buiten werking
Zwitserland	06-12-79	09-07-82	R	09-07-82		

\*) O=Ondertekening zonder voorbehoud of vereiste van ratificatie, R= Be-krachtiging, aanvaarding, goedkeuring of kennisgeving, T=Toetreding, VG=Voortgezette gebondenheid, NB=Niet bekend

#### WARC-92

Zie rubriek J van *Trb.* 1995, 218.

Partij	Onder-tekening	Ratifi-catie	Type <sup>*)</sup>	In werking	Opzeg-ging	Buiten werking
Albanië	22-12-92	15-10-99	R	15-10-99		
Algerije	03-03-92	13-08-96	R	13-08-96		
Andorra		24-01-94	T	01-07-94		
Argentinië	03-03-92	17-11-97	R	17-11-97		
Armenië		29-09-95	T	29-09-95		
Australië	03-03-92	29-09-94	R	29-09-94		
Azerbeidzjan		03-08-00	T	03-08-00		
Bahama's	03-03-92	04-08-94	R	04-08-94		
Bahrein	03-03-92	12-07-96	R	12-07-96		
Bangladesh		28-07-94	T	28-07-94		
Barbados	22-12-92	28-07-98	R	28-07-98		
Belarus	03-03-92	21-05-93	R	21-05-93		
België	03-03-92	13-04-93	R	13-04-93		
Belize		09-11-93	T	01-07-94		
Benin	03-03-92	24-04-97	R	24-04-97		
Bhutan	03-03-92	16-04-96	R	16-04-96		
Bolivia		30-12-93	T	01-07-94		
Bosnië-Herzegovina		02-09-94	T	02-09-94		
Botswana	03-03-92	12-10-98	R	12-10-98		
Brazilië	03-03-92	19-10-98	R	19-10-98		

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Brunei	03-03-92	20-11-96	R	20-11-96		
Bulgarije	03-03-92	09-09-94	R	09-09-94		
Burkina Faso	03-03-92	21-10-94	R	21-10-94		
Burundi	03-03-92	09-11-98	R	09-11-98		
Cambodja		14-08-97	T	14-08-97		
Canada	03-03-92	21-06-93	R	01-07-94		
Centraal Afrikaanse Republiek	03-03-92	11-05-95	R	11-05-95		
Chili	03-03-92	02-09-98	R	02-09-98		
China	03-03-92	15-07-97	R	15-07-97		
Colombia	03-03-92	02-04-97	R	02-04-97		
Comoren, de	22-12-92	11-08-98	R	11-08-98		
Congo, Republiek		09-08-94	T	09-08-94		
Costa Rica		20-08-02	T	20-08-02		
Cuba	03-03-92	25-11-96	R	25-11-96		
Cyprus	03-03-92	01-11-95	R	01-11-95		
Denemarken	03-03-92	18-06-93	R	01-07-94		
Djibouti	22-12-92	10-03-97	R	10-03-97		
Dominica		28-10-96	T	28-10-96		
Dominicaanse Republiek, de		23-04-02	T	23-04-02		
Duitsland	03-03-92	22-09-94	R	22-09-94		
Ecuador		01-08-94	T	01-08-94		
Egypte	22-12-92	15-05-96	R	15-05-96		
El Salvador	22-12-92	25-05-98	R	25-05-98		
Equatoriaal Guinee		21-09-02	T	21-09-02		
Eritrea		31-01-94	T	01-07-94		

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Estland	22-12-92	23-01-96	R	23-01-96		
Ethiopië	03-03-92	13-10-94	R	13-10-94		
Fiji-eilanden	22-12-92	11-10-98	R	11-10-98		
Filippijnen, de	03-03-92	23-05-96	R	23-05-96		
Finland	03-03-92	30-05-96	R	30-05-96		
Frankrijk	03-03-92	23-06-94	R	23-06-94		
Gabon	03-03-92	28-09-98	R	28-09-98		
Gambia	03-03-92	09-02-98	R	09-02-98		
Georgië		20-06-94	T	01-07-94		
Ghana	03-03-92	16-10-98	R	16-10-98		
Griekenland	03-03-92	25-09-98	R	25-09-98		
Guatemala		08-05-00	T	08-05-00		
Guinee	03-03-92	05-08-94	R	05-08-94		
Guinee-Bissau		17-07-02	T	17-07-02		
Guyana		19-08-94	T	19-08-94		
Haïti		22-05-95	T	22-05-95		
Heilige Stoel	03-03-92	03-05-96	R	03-05-96		
Honduras	03-03-92	23-06-00	R	23-06-00		
Hongarije	03-03-92	14-11-97	R	14-11-97		
Ierland	03-03-92	16-10-96	R	16-10-96		
IJsland	03-03-92	17-11-97	R	17-11-97		
India	03-03-92	03-11-95	R	03-11-95		
Indonesië	03-03-92	16-04-96	R	16-04-96		
Iran	03-03-92	11-07-96	R	11-07-96		
Israël	03-03-92	25-08-94	R	25-08-94		
Italië	03-03-92	18-08-94	R	18-08-94		
Ivoorkust	03-03-92	22-03-96	R	22-03-96		
Jamaica	22-12-92	20-10-98	R	20-10-98		

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Japan	03-03-92	21-09-93	R	21-09-93		
Jemen	03-03-92	05-10-98	R	05-10-98		
Jordanië	03-03-92	16-10-95	R	16-10-95		
Kaapverdië	03-03-92	27-04-98	R	27-04-98		
Kameroen	03-03-92	18-04-95	R	18-04-95		
Kazachstan		05-09-94	T	05-09-94		
Kenia	03-03-92	25-08-94	R	25-08-94		
Koeweit	03-03-92	06-06-97	R	06-06-97		
Kroatië	22-12-92	03-06-94	R	01-07-94		
Kyrgyzstan		29-06-94	T	01-07-94		
Laos		24-01-94	T	01-07-94		
Lesotho	22-12-92	22-03-02	R	22-03-02		
Letland	03-03-92	01-06-01	R	01-06-01		
Libanon	03-03-92	03-08-98	R	03-08-98		
Libië	03-03-92					
Liechtenstein	03-03-92	02-01-95	R	02-01-95		
Litouwen	03-03-92	28-03-00	R	28-03-00		
Luxemburg	03-03-92	05-02-97	R	05-02-97		
Macedonië, Voormalige Joegoslavische Republiek		11-07-94	T	11-07-94		
Madagascar	03-03-92	03-06-96	R	03-06-96		
Malawi	03-03-92	19-10-98	R	19-10-98		
Maldiven, de		22-08-94	T	22-08-94		
Maleisië	03-03-92	11-04-94	R	01-07-94		
Mali	03-03-92	25-04-95	R	25-04-95		
Malta	03-03-92	30-08-95	R	30-08-95		
Marokko	03-03-92	09-05-96	R	09-05-96		

Partij	Onder- tekening	Ratifi- catie	Type <sup>1)</sup>	In werking	Opzeg- ging	Buiten werking
Marshall- eilanden, de		22-02-96	T	22-02-96		
Mauritanië	22-12-92	30-07-98	R	30-07-98		
Mauritius		06-12-93	T	01-07-94		
Mexico	03-03-92	16-03-94	R	16-03-94		
Micronesia		07-08-95	T	07-08-95		
Moldavië	22-12-92	18-02-97	R	18-02-97		
Monaco	03-03-92	05-08-97	R	05-08-97		
Mongolië	03-03-92	10-06-97	R	10-06-97		
Mozambique		19-09-94	T	19-09-94		
Myanmar	22-12-92	05-10-98	R	05-10-98		
Namibië		04-08-94	T	04-08-94		
<b>Nederlanden, het Koninkrijk der</b>	03-03-92	13-06-96	R	13-06-96		
Nepal	22-12-92	10-11-97	R	10-11-97		
Nicaragua		12-10-98	T	12-10-98		
Nieuw-Zeeland	03-03-92	11-07-95	R	11-07-95		
Niger	03-03-92	03-09-98	R	03-09-98		
Nigeria	03-03-92	24-12-99	R	24-12-99		
Noord-Korea	03-03-92	09-08-94	R	09-08-94		
Noorwegen	03-03-92	15-07-94	R	15-07-94		
Oekraïne	03-03-92	04-08-94	R	04-08-94		
Oezbekistan		22-09-94	T	22-09-94		
Oman	03-03-92	18-05-94	R	01-07-94		
Oostenrijk	03-03-92	23-10-97	R	23-10-97		
Pakistan	03-03-92	04-11-97	R	04-11-97		
Panama	03-03-92	13-07-98	R	13-07-98		
Papua-Nieuw Guinea	03-03-92	10-05-96	R	10-05-96		

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Paraguay		26-09-94	T	26-09-94		
Peru		30-09-94	T	30-09-94		
Polen	03-03-92	17-10-95	R	17-10-95		
Portugal	03-03-92	30-11-95	R	30-11-95		
Qatar	03-03-92	13-10-98	R	13-10-98		
Roemenië	03-03-92	30-11-93	R	01-07-94		
Russische Federatie	03-03-92	07-09-93	R	07-09-93		
Rwanda		27-06-02	T	27-06-02		
Samoa		29-08-94	T	29-08-94		
San Marino	03-03-92	31-08-94	R	31-08-94		
Sao Tomé en Principe		15-07-96	T	15-07-96		
Saudi-Arabië	03-03-92	08-10-97	R	08-10-97		
Senegal	03-03-92	18-11-94	R	18-11-94		
Servië		01-06-01	T	01-06-01		
Seychellen, de		17-09-99	T	17-09-99		
Singapore	03-03-92	02-05-96	R	02-05-96		
Sint Kitts en Nevis		15-03-06	T	15-03-06		
Sint Lucia		04-09-97	T	04-09-97		
Sint Vincent en de Grenadines		20-09-94	T	20-09-94		
Slovenië	22-12-92	12-12-94	R	12-12-94		
Slowakije		01-07-94	T	01-07-94		
Soedan	22-12-92	13-02-97	R	13-02-97		
Spanje	03-03-92	17-10-94	R	17-10-94		
Sri Lanka	03-03-92	26-07-96	R	26-07-96		
Suriname	03-03-92	27-10-97	R	27-10-97		
Swaziland	03-03-92	05-10-98	R	05-10-98		

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Syrië		14-12-93	T	01-07-94		
Tadzjikistan		19-07-94	T	19-07-94		
Tanzania	03-03-92	16-09-98	R	16-09-98		
Thailand	03-03-92	03-04-96	R	03-04-96		
Togo		19-09-94	T	19-09-94		
Tonga		09-09-94	T	09-09-94		
Trinidad en Tobago		20-09-94	T	20-09-94		
Tsjaad	03-03-92	25-08-97	R	25-08-97		
Tsjechië		29-08-94	T	29-08-94		
Tunesië	03-03-92	27-10-97	R	27-10-97		
Turkije	03-03-92	03-05-00	R	03-05-00		
Turkmenistan		27-04-94	T	01-07-94		
Tuvalu		15-08-96	T	15-08-96		
Uganda		27-07-94	T	27-07-94		
Uruguay	03-03-92	01-10-98	R	01-10-98		
Vanuatu		13-10-98	T	13-10-98		
Venezuela	03-03-92	17-09-96	R	17-09-96		
Verenigd Koninkrijk, het	03-03-92	27-06-94	R	01-07-94		
Verenigde Arabische Emiraten, de	03-03-92	02-08-95	R	02-08-95		
Verenigde Staten van Amerika, de	03-03-92	26-10-97	R	26-10-97		
Vietnam	22-12-92	19-06-96	R	19-06-96		
Zambia	03-03-92	12-10-98	R	12-10-98		
Zimbabwe	03-03-92	05-12-94	R	05-12-94		
Zuid-Afrika		30-06-94	T	01-07-94		
Zuid-Korea	03-03-92	05-08-94	R	05-08-94		

Partij	Onder-tekening	Ratifi-catie	Type <sup>*)</sup>	In werking	Opzeg-ging	Buiten werking
Zweden	03-03-92	08-11-93	R	01-07-94		
Zwitserland	03-03-92	27-07-93	R	01-07-94		

\*) O=Ondertekening zonder voorbehoud of vereiste van ratificatie, R= Be-krachtiging, aanvaarding, goedkeuring of kennisgeving, T=Toetreding, VG=Voortgezette gebondenheid, NB=Niet bekend

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Zie rubriek J van *Trb.* 1997, 135.

Partij	Onder-tekening	Ratifi-catie	Type <sup>*)</sup>	In werking	Opzeg-ging	Buiten werking
Albanië	17-11-95					
Algerije	17-11-95					
Andorra	17-11-95					
Angola	17-11-95					
Argentinië	17-11-95					
Armenië	17-11-95					
Australië	17-11-95	31-01-06	R	31-01-06		
Bahrein	17-11-95					
Bangladesh	17-11-95					
Belarus	17-11-95					
België	17-11-95					
Brazilië	17-11-95					
Brunei	17-11-95					
Bulgarije	17-11-95					
Burkina Faso	17-11-95					
Burundi	17-11-95					
Canada	17-11-95	09-10-96	R	09-10-96		
Centraal Afrikaanse Republiek	17-11-95					



Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Chili	17-11-95	02-09-98	R	02-09-98		
China	17-11-95					
Colombia	17-11-95	07-05-01	R	07-05-01		
Cuba	17-11-95					
Cyprus	17-11-95					
Denemarken	17-11-95					
Djibouti	17-11-95					
Duitsland	17-11-95					
Ecuador	17-11-95					
Egypte	17-11-95					
Estland	17-11-95					
Ethiopië	17-11-95					
Fillipijnen, de	17-11-95					
Finland	17-11-95					
Frankrijk	17-11-95	30-06-98	R	30-06-98		
Gabon	17-11-95					
Ghana	17-11-95					
Griekenland	17-11-95					
Guinee	17-11-95					
Heilige Stoel	17-11-95					
Hongarije	17-11-95					
Ierland	17-11-95					
IJsland	17-11-95					
India	17-11-95					
Indonesië	17-11-95					
Iran	17-11-95					
Israël	17-11-95					
Italië	17-11-95					

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Jamaica	17-11-95					
Japan	17-11-95	16-12-96	R	16-12-96		
Jemen	17-11-95					
Jordanië	17-11-95					
Kaapverdië	17-11-95					
Kameroen	17-11-95					
Kazachstan	17-11-95					
Kenia	17-11-95					
Koeweit	17-11-95					
Kroatië	17-11-95					
Kyrgyzstan	17-11-95					
Lesotho	17-11-95					
Letland	17-11-95					
Libanon	17-11-95					
Liberia	17-11-95					
Libië	17-11-95					
Liechtenstein	17-11-95					
Litouwen	17-11-95					
Luxemburg	17-11-95					
Macedonië, Voormalige Joegoslavische Republiek	17-11-95					
Maldiven, de	17-11-95					
Maleisië	17-11-95					
Mali	17-11-95					
Malta	17-11-95					
Marokko	17-11-95					
Mauritius	17-11-95					

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Mexico	17-11-95	13-10-98	R	13-10-98		
Micronesia	17-11-95					
Moldavië	17-11-95					
Monaco	17-11-95					
Mongolië	17-11-95					
Namibië	17-11-95					
<b>Nederlanden, het Koninkrijk der</b>	17-11-95	12-02-99	R	12-02-99		
Nepal	17-11-95					
Nieuw-Zeeland	17-11-95					
Nigeria	17-11-95					
Noord-Korea	17-11-95					
Noorwegen	17-11-95					
Oekraïne	17-11-95					
Oezbekistan	17-11-95					
Oman	17-11-95					
Oostenrijk	17-11-95					
Pakistan	17-11-95					
Papua-Nieuw Guinea	17-11-95					
Paraguay	17-11-95					
Peru	17-11-95					
Polen	17-11-95					
Portugal	17-11-95	31-03-04	R	31-03-04		
Qatar	17-11-95					
Roemenië	17-11-95					
Russische Federatie	17-11-95					
San Marino	17-11-95					

Partij	Onder- tekening	Ratifi- catie	Type*)	In werking	Opzeg- ging	Buiten werking
Saudi-Arabië	17-11-95					
Senegal	17-11-95					
Sierra Leone	17-11-95					
Singapore	17-11-95					
Slovenië	17-11-95					
Slowakije	17-11-95					
Spanje	17-11-95	13-07-01	R	13-07-01		
Sri Lanka	17-11-95					
Soedan	17-11-95					
Suriname	17-11-95					
Swaziland	17-11-95					
Syrië	17-11-95	31-10-97	R	31-10-97		
Tanzania	17-11-95					
Thailand	17-11-95					
Togo	17-11-95					
Tonga	17-11-95					
Trinidad en Tobago	17-11-95					
Tsjaad	17-11-95					
Tsjechië	17-11-95					
Tunesië	17-11-95					
Turkije	17-11-95					
Uganda	17-11-95					
Verenigd Koninkrijk, het	17-11-95					
Verenigde Arabische Emiraten, de	17-11-95					
Verenigde Staten van Amerika, de	17-11-95					

Partij	Ondertekening	Ratificatie	Type <sup>*)</sup>	In werking	Opzegging	Buiten werking
Vietnam	17-11-95					
Zambia	17-11-95					
Zimbabwe	17-11-95					
Zuid-Afrika	17-11-95					
Zuid-Korea	17-11-95					
Zweden	17-11-95					
Zwitserland	17-11-95	10-07-96	R	10-07-96		

\*) O=Ondertekening zonder voorbehoud of vereiste van ratificatie, R= Bevestiging, aanvaarding, goedkeuring of kennisgeving, T=Toetreding, VG=Voortgezette gebondenheid, NB=Niet bekend

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Zie rubriek J van *Trb.* 2001, 159.

Partij	Ondertekening	Ratificatie	Type <sup>*)</sup>	In werking	Opzegging	Buiten werking
Albanië	21-11-97					
Algerije	21-11-97					
Andorra	21-11-97					
Argentinië	21-11-97					
Armenië	21-11-97					
Australië	21-11-97	13-01-00	R	13-01-00		
Bahama's	21-11-97					
Bahrein	21-11-97					
Bangladesh	21-11-97					
Belarus	21-11-97					
België	21-11-97					
Benin	21-11-97					
Brazilië	21-11-97					
Brunei	21-11-97					

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Bulgarije	21-11-97					
Burkina Faso	21-11-97					
Burundi	21-11-97					
Canada	21-11-97	22-07-98	R	22-07-98		
Chili	21-11-97					
China	21-11-97					
Colombia	21-11-97					
Costa Rica	21-11-97					
Cuba	21-11-97					
Cyprus	21-11-97					
Denemarken	21-11-97					
Duitsland	21-11-97	01-10-99	R	01-10-99		
Ecuador	21-11-97					
Egypte	21-11-97					
El Salvador	21-11-97					
Estland	21-11-97					
Fillipijnen, de	21-11-97					
Finland	21-11-97					
Frankrijk	21-11-97	06-08-01	R	06-08-01		
Gabon	21-11-97					
Gambia	21-11-97					
Ghana	21-11-97					
Griekenland	21-11-97					
Guinee	21-11-97					
Heilige Stoel	21-11-97					
Hongarije	21-11-97					
Ierland	21-11-97					
IJsland	21-11-97					

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
India	21-11-97					
Indonesië	21-11-97					
Iran	21-11-97					
Israël	21-11-97					
Italië	21-11-97					
Ivoorkust	21-11-97					
Japan	21-11-97	01-11-00	R	01-11-00		
Jemen	21-11-97					
Jordanië	21-11-97					
Kaapverdië	21-11-97					
Kameroen	21-11-97					
Kazachstan	21-11-97					
Kenia	21-11-97					
Koeweit	21-11-97					
Kroatië	21-11-97					
Kyrgyzstan	21-11-97					
Laos	21-11-97					
Letland	21-11-97					
Libanon	21-11-97					
Libië	21-11-97					
Liechtenstein	21-11-97					
Litouwen	21-11-97					
Luxemburg	21-11-97					
Macedonië, Voormalige Joegoslavische Republiek	21-11-97					
Malawi	21-11-97					
Maleisië	21-11-97					

Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Mali	21-11-97					
Malta	21-11-97					
Marokko	21-11-97					
Mauritius	21-11-97					
Mauritanië	21-11-97					
Mexico	21-11-97	28-03-01	R	28-03-01		
Micronesia	21-11-97					
Moldavië	21-11-97					
Monaco	21-11-97					
Mongolië	21-11-97					
Mozambique	21-11-97					
Namibië	21-11-97					
<b>Nederlanden, het Koninkrijk der</b>	21-11-97					
Nepal	21-11-97					
Nieuw-Zeeland	21-11-97					
Niger	21-11-97					
Nigeria	21-11-97					
Noord-Korea	21-11-97					
Noorwegen	21-11-97					
Oekraïne	21-11-97					
Oezbekistan	21-11-97					
Oman	21-11-97					
Oostenrijk	21-11-97					
Pakistan	21-11-97					
Panama	21-11-97					
Papua-Nieuw Guinea	21-11-97					



Partij	Onder- tekening	Ratifi- catie	Type <sup>*)</sup>	In werking	Opzeg- ging	Buiten werking
Paraguay	21-11-97					
Peru	21-11-97					
Polen	21-11-97					
Portugal	21-11-97	31-03-04	R	31-03-04		
Qatar	21-11-97					
Roemenië	21-11-97					
Russische Federatie	21-11-97					
San Marino	21-11-97					
Saudi-Arabië	21-11-97					
Senegal	21-11-97					
Seychellen, de	21-11-97					
Singapore	21-11-97					
Slovenië	21-11-97					
Slowakije	21-11-97					
Spanje	21-11-97	10-02-04	R	10-02-04		
Sri Lanka	21-11-97					
Soedan	21-11-97					
Suriname	21-11-97					
Syrië	21-11-97	23-08-02	R	23-08-02		
Tanzania	21-11-97					
Thailand	21-11-97					
Togo	21-11-97					
Tonga	21-11-97					
Tsjaad	21-11-97					
Tsjechië	21-11-97					
Tunesië	21-11-97					
Turkije	21-11-97					

Partij	Onder-tekening	Ratifi-catie	Type <sup>*)</sup>	In werking	Opzeg-ging	Buiten werking
Uganda	21-11-97					
Venezuela	21-11-97					
Verenigd Koninkrijk, het	21-11-97					
Verenigde Arabische Emiraten, de	21-11-97					
Verenigde Staten van Amerika, de	21-11-97					
Vietnam	21-11-97					
Zambia	21-11-97					
Zimbabwe	21-11-97					
Zuid-Afrika	21-11-97					
Zuid-Korea	21-11-97					
Zweden	21-11-97					
Zwitserland	21-11-97	21-03-00	R	21-03-00		

<sup>\*)</sup> O=Ondertekening zonder voorbehoud of vereiste van ratificatie, R= Be-krachtiging, aanvaarding, goedkeuring of kennisgeving, T=Toetreding, VG=Voortgezette gebondenheid, NB=Niet bekend

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Zie rubriek J van *Trb.* 2001, 160.

Partij	Onder-tekening	Ratifi-catie	Type <sup>1)</sup>	In werking	Opzeg-ging	Buiten werking
Albanië	02-06-00					
Algerije	02-06-00					
Andorra	02-06-00					
Angola	02-06-00					
Argentinië	02-06-00					
Armenië	02-06-00					
Australië	02-06-00	09-09-02	R	09-09-02		

Partij	Onder- tekening	Ratifi- catie	Type <sup>1)</sup>	In werking	Opzeg- ging	Buiten werking
Azerbeidzjan	02-06-00					
Bahrein	02-06-00					
Belarus	02-06-00					
België	02-06-00					
Benin	02-06-00					
Bhutan	02-06-00					
Bosnië en Herzegovina	02-06-00					
Botswana	02-06-00					
Brazilië	02-06-00					
Brunei	02-06-00					
Bulgarije	02-06-00					
Burkina Faso	02-06-00					
Burundi	02-06-00					
Canada	02-06-00	09-10-00	R	09-10-00		
Centraal Afrikaanse Republiek	02-06-00					
Chili	02-06-00					
China	02-06-00					
Colombia	02-06-00					
Comoren, de	02-06-00					
Congo	02-06-00					
Costa Rica	02-06-00					
Cuba	02-06-00					
Cyprus	02-06-00					
Denemarken	02-06-00					
Dominicaanse Republiek, de	02-06-00					
Duitsland	02-06-00	18-05-01	R	18-05-01		

Partij	Onder- tekening	Ratifi- catie	Type <sup>1)</sup>	In werking	Opzeg- ging	Buiten werking
Ecuador	02-06-00					
Egypte	02-06-00					
El Salvador	02-06-00					
Estland	02-06-00					
Ethiopië	02-06-00					
Fillipijnen, de	02-06-00					
Finland	02-06-00					
Frankrijk	02-06-00	15-10-03	R	15-10-03		
Gabon	02-06-00					
Georgië	02-06-00					
Ghana	02-06-00					
Griekenland	02-06-00					
Guatemala	02-06-00					
Guinee	02-06-00					
Heilige Stoel	02-06-00					
Hongarije	02-06-00					
Ierland	02-06-00					
IJsland	02-06-00					
India	02-06-00					
Indonesië	02-06-00					
Iran	02-06-00					
Israël	02-06-00					
Italië	02-06-00					
Ivoorkust	02-06-00					
Japan	02-06-00	23-04-02	R	23-04-02		
Jemen	02-06-00					
Jordanië	02-06-00					
Kameroen	02-06-00					

Partij	Onder- tekening	Ratifi- catie	Type <sup>1)</sup>	In werking	Opzeg- ging	Buiten werking
Kazachstan	02-06-00					
Kenia	02-06-00					
<b>Nederlanden, het Koninkrijk der</b>	02-06-00					
Kroatië	02-06-00					
Kyrgyzstan	02-06-00					
Laos	02-06-00					
Lesotho	02-06-00					
Letland	02-06-00					
Libanon	02-06-00	01-04-04	R	01-04-04		
Libië	02-06-00					
Liechtenstein	02-06-00					
Litouwen	02-06-00					
Luxemburg	02-06-00					
Macedonië, Voormalige Joegoslavische Republiek	02-06-00					
Madagascar	02-06-00					
Maldiven, de	02-06-00					
Maleisië	02-06-00	25-11-03	R	25-11-03		
Mali	02-06-00					
Malta	02-06-00					
Marokko	02-06-00					
Mauritius	02-06-00					
Mexico	02-06-00	06-09-05	R	06-09-05		
Micronesia	02-06-00					
Moldavië	02-06-00					
Monaco	02-06-00					

Partij	Onder- tekening	Ratifi- catie	Type <sup>1)</sup>	In werking	Opzeg- ging	Buiten werking
Mongolië	02-06-00					
Mozambique	02-06-00					
Namibië	02-06-00					
Nieuw-Zeeland	02-06-00					
Nigeria	02-06-00	23-06-03	R	23-06-03		
Noord-Korea	02-06-00					
Noorwegen	02-06-00					
Oekraïne	02-06-00					
Oezbekistan	02-06-00					
Oman	02-06-00					
Oostenrijk	02-06-00					
Pakistan	02-06-00					
Papua-Nieuw Guinea	02-06-00					
Paraguay	02-06-00					
Peru	02-06-00	27-05-03	R	27-05-03		
Polen	02-06-00					
Portugal	02-06-00	31-03-04	R	31-03-04		
Qatar	02-06-00					
Roemenië	02-06-00					
Russische Federatie	02-06-00					
San Marino	02-06-00					
Saudi-Arabië	02-06-00					
Senegal	02-06-00					
Seychellen, de	02-06-00					
Singapore	02-06-00					
Slovenië	02-06-00					
Slowakije	02-06-00					

Partij	Ondertekening	Ratificatie	Type <sup>1)</sup>	In werking	Opzegging	Buiten werking
Spanje	02-06-00	10-02-04	R	10-02-04		
Sri Lanka	02-06-00					
Soedan	02-06-00					
Suriname	02-06-00					
Syrië	02-06-00	23-08-02	R	23-08-02		
Tanzania	02-06-00					
Thailand	02-06-00					
Tonga	02-06-00					
Trinidad en Tobago	02-06-00					
Tsjaad	02-06-00					
Tsjechië	02-06-00					
Tunesië	02-06-00					
Turkije	02-06-00					
Uganda	02-06-00					
Venezuela	02-06-00					
Verenigd Koninkrijk, het	02-06-00					
Verenigde Arabische Emiraten, de	02-06-00					
Verenigde Staten van Amerika, de	02-06-00					
Zambia	02-06-00					
Zimbabwe	02-06-00					
Zuid-Afrika	02-06-00					
Zuid-Korea	02-06-00					
Zweden	02-06-00					
Zwitserland	02-06-00	20-07-06	R	20-07-06		

<sup>1)</sup> O=Ondertekening zonder voorbehoud of vereiste van ratificatie, R= Bekrachtiging, aanvaarding, goedkeuring of kennisgeving, T=Toetreding, VG=Voortgezette gebondenheid, NB=Niet bekend

## WRC-03

Partij	Onder- tekening	Ratifi- catie	Type*)	In werking	Opzeg- ging	Buiten werking
Argentinië	04-07-03	16-06-06	R	16-06-06		
Canada	04-07-03	08-07-05	R	08-07-05		
Cyprus	04-07-03	26-02-04	R	26-02-04		
Frankrijk	04-07-03	03-09-04	R	03-09-04		
Mexico	04-07-03	18-04-06	R	18-04-06		
Nieuw-Zeeland	04-07-03	20-06-06	R	20-06-06		
Zwitserland	04-07-03	20-07-06	R	20-07-06		

\*) O=Ondertekening zonder voorbehoud of vereiste van ratificatie, R= Be-  
krachtiging, aanvaarding, goedkeuring of kennisgeving, T=Toetreding,  
VG=Voortgezette gebondenheid, NB=Niet bekend

Ingevolge artikel 54 van het Statuut van de Internationale Unie voor Telecommunicatie blijft het Radioreglement van 1979 van kracht, onverminderd van kracht geworden herzieningen. Elke gedeeltelijke of volledige herziening van het Radioreglement (WRC-95, WRC-97, WRC-2000 en WRC-03) geldt uitsluitend voor de Lidstaten die de Secretaris-Generaal van de Internationale Unie voor Telecommunicatie kennis hebben gegeven van hun instemming door die herziening te worden gebonden.

#### F. VOORLOPIGE TOEPASSING

Zie de rubrieken J van *Trb.* 1997, 135 en *Trb.* 2001, 159 en 160.

#### *Radioreglement, WRC-03*

Ingevolge artikel 54 van het Statuut van de Internationale Unie voor Telecommunicatie is elke herziening van het Radioreglement vanaf de datum van het van kracht worden van de herziening, voorlopig van toepassing ten aanzien van een Lidstaat die de herziening heeft ondertekend en de Secretaris-Generaal van de Internationale Unie voor Telecommunicatie nog geen kennis heeft gegeven van zijn instemming te worden gebonden.



*Protocol (van 16 juni 2006) tot herziening van de Regionale Overeenkomst van 1961*

Het Protocol tot herziening van de Regionale Overeenkomst wordt ingevolge artikel 3, eerste lid, van dit Protocol vanaf 17 juni 2006 voorlopig toegepast.

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*Regionale Overeenkomst digitale omroep van 16 juni 2006*

De Regionale Overeenkomst digitale omroep wordt ingevolge artikel 12, tweede lid, van deze Overeenkomst vanaf 17 juni 2006 voorlopig toegepast.

G. INWERKINGTREDING

Zie *Trb.* 1981, 78 en de rubrieken J van *Trb.* 1984, 9, *Trb.* 1987, 125, *Trb.* 1988, 26, 97 en 146, *Trb.* 1989, 93, *Trb.* 1999, 46 en *Trb.* 2001, 160.

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*Radioreglement, WRC-03*

De herziening van het Radioreglement van 2003 is, met uitzondering van de Resoluties genoemd in artikel 59, achtste lid, ingevolge artikel 59, zevende lid, van WRC-03 op 1 januari 2005 in werking getreden.

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*Regionale Overeenkomst van 23 juni 1961*

De Regionale Overeenkomst van 1961 is ingevolge artikel 9 van deze Overeenkomst op 1 september 1962 in werking getreden.

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*Protocol (van 16 juni 2006) tot herziening van de Regionale Overeenkomst van 1961*

De Herziene Regionale Overeenkomst van 2006 is ingevolge artikel 3, tweede lid, van het Protocol op 17 juni 2007 in werking getreden.

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*Regionale Overeenkomst digitale omroep van 16 juni 2006*

De Regionale Overeenkomst digitale omroep van 2006 is ingevolge artikel 12, eerste lid, van deze Overeenkomst op 17 juni 2007 in werking getreden.

J. VERWIJZINGEN

Zie *Trb.* 1984, 9 en 121 en *Trb.* 1999, 46.

**Overige verbanden**

Titel : Statuut en Verdrag van de Internationale Unie voor  
Telecommunicatie;  
Genève, 22 december 1992  
Laatste *Trb.* : *Trb.* 2006, 229

In overeenstemming met artikel 19, tweede lid, van de Rijkswet goedkeuring en bekendmaking verdragen heeft de Minister van Buitenlandse Zaken bepaald dat de wijzigingen en Overeenkomsten zullen zijn bekendgemaakt in Nederland op de dag na de datum van uitgifte van dit Tractatenblad.

Uitgegeven de *zesentwintigste* juni 2007.

*De Minister van Buitenlandse Zaken,*

M. J. M. VERHAGEN